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Vol 6

A. W. Stelfox's Diary [illegible]
[illegible] 1934 – 1935

1934.

January opened very stormy with barometer never over 30 until the 18th, when it rose suddenly.
On 16th. a Snowdrop in the back-garden (planted in autumn of 1932!) flowered, but those in front garden very backward.
A single Crocus flower appeared about 23rd Jan. but owing to sunless weather did not actually open until 31st, when the Snowdrops in the front-garden also produced flowers. This Crocus was one of the old ones beside path to front gate. Daisy & George found a single flower on the Celandine by the Dodder on 24th Feb. ready to open.
February opened very mild & misty, with barometer steady between 30.0 & 30.4.
28th Jan. 1934. George & I walked from Bray to Greystones, over Bray Head. Then drove in car to Kilpeddar, Co. Wi, where turned & drove home. In field near Kilpeddar examined some bored stems of thistle (C. arvensis) which contained several larvae of microlepidoptera (?), one of which seemed "ichd": brought home & put in pot in motor house. Also found in stem dead remains of a ♀ sawfly :— } On 15.6.34 a ♀ Rhogas irregularis [illegible] which I believe came from one of the larvae in these thistle stems. A.W.S.

4th Feb. 1934. Drove to Leixlip station, left car & walked back along canal for 1½ miles to next bridge. Collected seed heads of Centaurea nigra & brought home & put in jar. Saw ♀ Hazel flowers out on bush in hedge, but Coltsfoot showing no sign of flower at aqueduct over Rye Water.

Pimpla brevicornis, ♂ em. 3.5.34, ♀ em. 7.5.34. Bracon sp. 1♂ 1♀, em. 25.5, 1♀ 26.5, & 1♂ found in motor house (believed escaped from jar as I opened it!) on 30.5.1934. Tachinid em. 28.4, another on 21.5.1934 & many others subsequently.

[On 5th Feb. C.W. Allen called & brought ♀ Bombus lucorum which was caught in garden of Kenilworth Road by Mr. Merrilees & his kitten on the previous Sat. (3rd Feb.). The kitten was observed playing with it in the grass & the specimen rescued by Mr. M. & given to C.W.A. The 3rd was a dull day with some misty rain, but previous days had been mild & some sunny, still it seems probable that the bee had been disturbed & driven out of her winter quarters by accident rather than a normal emergence.]

10th Feb. 1934. M.D.S. saw a ♀ Bombus lucorum flying at front window & then across Clareville Rd., between 3.0 & 3.30 P.M. Fine, some sunny intervals, W. wind. George got Coltsfoot in flower by the Dodder below Orwell Bridge.

11th Feb. 1934. A foggy morning, with misty rain. Did not go out all day!

13th Feb. 1934. Sax. oppositifolia (both Benbulbin & Snowdon plants (more so) with open flowers in back garden. Those in front garden not out.

14th Feb. 1934. Yellow Sax. apiculata, with several flowers in front garden open. Morning fine but dull; afternoon all clear & sunny, colder, with N. breeze.

Drove at 2 p.m. to Slade of Saggart, Co. Dub. There tried sweeping rushes, but this produced no result beyond spiders & a few Diptera.

14.2.34. Slade of Saggart [illegible]

[End of week colder, but nearly all sunny on Sat. 17th after a clear hard frost on Friday night.]

18th Feb. 1934. A fine sunny day, very hot in shelter. Glen (at quarry) Ballyhenry, Co. Wi.

Almost all beaten out of spruce, one or two off Laurel!

Pimpla maculator 4 or 5 ♀♀, not kept. P. examinator 3 ♀♀, small. P. elegans 3 ♀♀, others not kept. P. oculatoria 2 ♀♀. Stenomacrus ventralis ♂?, small testaceous ♀, 4/12 larger & darker ♀♀, ? same sp. Chalcids very common, none kept. Curious Diptera with leg like a flea. Lygus pabulinus (Hoy et) in sev. normal [illegible]

Bugs

22 Feb 1934. A glorious day, after a few dull ones. M.D.S. saw Tortoiseshell Butterfly in garden sunning itself & flying about 2-30 P.M. Almond tree in Kenilworth Square opened first flowers.

25th Feb 1934. A clear cold day, with rising glass, after a slight depression. Wind (NW) very keen, but almost all sunny. No willows seen out; one reed, out at bridge. Drove to [illegible] station & collected in marsh at SW corner of the railway bridge, which I take is in Co. Wl. Most insects taken by pulling up dead grass, sedge, &c in marsh & shaking on sheet, but a few taken by sweeping along foot of ~~railway~~ road embankment, including a Mymarid, 3 Proctos. (taken in one sweep) & and Aphidius & a ♀ of Hemiteles.

Hemiteles 1 small ♀ sweept
Pezomachus 3♀♀, 2♂♂, shaken.
Blacus ruficornis 2♀♀ by shaking. [illegible]
Aphidius 1 ♂.

Proctos. 3 of [illegible] taken by sweeping embankment of road [illegible] with clubbed antennae.
[illegible] with blotched wings.

[25.2.34. C W Allen saw four ♀♀ Bombus terrestris at flowers of Petasites fragrans at Knockmaroon, Co Dub, this morning!]

28th February 1934. A dry day with keen N.W. wind. Little sun — afternoon. Drove to Enniskerry, Co Wl., & walked a mile up glen to open ground & here cliff.

Pezomachus 1♀ } Shaken out of dead leaves near
Stenomacrus [illegible] 1♂ } the river bank.

One or two catkins out on big willows which grow on face of sand cliff, but no bees seen.

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28 Feb 1934 First flower on Chimonanthus — just opened.

3rd March 34. A whitish-purple Crocus out in front garden beside path. Daffodils in back garden out on 6th March.

4th March 1934. Showery, chilly & strong W wind. Drove with George & C W Allen through Phoenix Pk & via Knockmaroon & Lucan to Leixlip. Stopped at several sandpits but saw nothing out, as heavy showers came on just as we reached Knockmaroon.

7th March 1934. A cold day, but sunny, but showers from 11 in afternoon. Drove to Henry Bridge, over Grand Canal, W of Lyons House, Co. Kd. & walked along N side of canal for a [illegible]. Ground too exposed for sweeping, several nice willows (out!) & some few bees. Saw one ich. out of gorse, but hot sun caused it to fly away: it may have been a small Pimpla maculata ♀, but I could not be sure.

11th March 1934. Cold & wet all day!

15th March 1934. Cold, showery in morning, fair in afternoon, very stormy.

Met Farrington at Glenmore Castle, Devils Glen & explored woods on that side of the glen. One ♀ Pimpla [illegible] beaten out of silver fir on avenue. Saw splendid ground for future work & having been introduced to Miss Smith who owns the garden, I can go there [illegible].

17th March 1934. Cold, stormy & showery. Drove in afternoon to Bride's Glen, Shankill, Co. Dublin. Nothing seen.

18th March 1934. Cold & stormy (W-NW) with rising glass. Almost all sunny. Drove to sulphur mines at Avoca, Co. Wicklow, but the only hymenoptera taken were two Cryptids beaten off Scots Fir & Gorse. One small (? Aphidiid) seen on lunch paper, just as it flew away. Nothing taken by sweeping & willows

18/3/34 cont.

not nearly in flower at this place.

On way down in morning also called at Ballyfoury Marsh, but nothing seen or taken by sweeping.

At Avoca some Coccinella beaten off Fir & Gorse & these brought home in case they were parasitized by Perilitus, as one taken last year by A.M. [illegible] was stung, but parasite died in cocoon. Also a few Hemiptera beaten out of gorse & fir.

Willows out at fork of road to Ballylusk & odd bushes out here & there en route, as at Kilmacanoge.

23rd March 1934 Anemone appenina out in front garden: ? late owing to earlier drought.

24th March 1934. Meteorus [illegible] Nees ? 1♀ hatched in jar containing fungus gathered by E. O'Mahony at Glendhu ("Pine Forest"), Co. Dublin, in August 1933 & from which many beetles — Cis boleti — had already, & were still emerging. O'Mahony thinks the Meteorus must have been parasitic on Cis. A.W.S.

25th March 1934. A glorious morning, with westerly breeze & no clouds: very mild; but a chilly S.E. wind springing up at 10 a.m. brought on the usual "jam" & after 3 pm. a constant drip. No sun after 10 o'clock.

Drove to Athy & down valley to Tankardstown Bridge. Stopped at sandpit at Ardreigh, but nothing seen except gorgeous show of white & purple Viola odorata. Also stopped previously at willows in bloom on roadside (1) N of Kill, Co KD., where were Bombus (probably lucorum) ♀ & hundreds of Apis; & (2) S. of Kilcullen but nothing seen here at all. Primroses in ditch near Kilcullen & Violets, violets all the way. All V. odorata!

Below Tankardstown Bridge, west of river, Co QC. swept one ♀ Aphidius in reed-bed & one ♀ Hemiteles off ivy on abutment of bridge. Also took some beetles, Trichoniscus roseus (v. common) & snail Zonitoides nitidus more common than I have ever seen it. Bombus lucorum ♀ seen in willows & others heard.

Later drove on to Castledermot, via Moyanny, & back via Kilkea deerpark, Co KD. where stopped for half an hour & beat Spruce & Silver Fir. One small ♀ Pimpla maculator flew out of beater (not kept). Then home via Athy & Kilcullen.

Two || Chiff-chaffs heard! Some willows well out!

28th March 1934. The third sunny day in succession, but strong bitter E wind.

Garden at Harold's Cross, Du. 2 pm.

Saw two Small Tortoiseshell butterflies flitting.

Glenasmole, Co Du 2.30 – 4.30 PM.

"Coombe" on E. side of lower reservoir!

Bombus lucorum (several), terrestris (1), jonellus (1), ♀♀.

Andrena clarkella ♂♂ & ♀♀ (many latter laden with pollen!)

A. apicata ♂♂ abundant, 1 probably fresh ♀ taken.

[A. praecox? some small ♂♂ seen may have been this species]

Nomada leucophthalma 1 ♀ taken.

Small Tortoiseshells flying!

No Chiff-chaffs!

No small Lepidoptera seen at all!

30th March 1934 (Good Friday). Very cold E wind, entirely dull, & dripping at Woodenbridge in afternoon. Drove to Gold Mines Valley, Co. WI to look for Dolerus etc but found hopelessly cold.

Pimpla elegans 1 ♀ & Bracon 1 ♀ beaten out of some holly bush. [illegible] common & beaten out of holly & swept in woods & marsh & 2 ♀♀ brought home.

No Chiff-chaffs!

10

1st April 1934 (Easter Sunday). A clear cold day after a frosty night, but wind E-NE & very strong (about a gale between noon & 5 pm.) & big small scudding clouds occasionally over the sun.

Down to Ballyteige Wood, at foot of Glenmalure, Co. Wi. & in afternoon called at the Deputy's Pass for an hour.

Ballyteige Wood, Greenan, Co. Wi. 11.30 till 2.0 PM.
Bombus lucorum ♀ seen by George
Hyptopimpla arcuata 4♂♂ & 1♀ taken, very fond along ye margin of area planted with conifer
Ichneumonid.

Chiff-chaffs ('One heard here, but only one' and two,' said) first for me! George's hearing! Peacock Butterfly.

Deputy's Pass, Co. Wi. 3.0 till 4.30 PM.
Orthocentrus frontator? 1♀ beaten out of Spruce Fir.
Pimpla maculator ♀ } beaten (but not kept) " " "
P. elegans ♀ }
Tortoiseshell Butterflies common!
Beetles taken amongst horse droppings in road.

11

6th April 1934. Still very cold, NE-N wind, but all sunny in afternoon & very sheltered at Enniskerry, Co. Wi.
Swept meadow below roadway & beat willows (just going over) & elder (in leaf). Bombus terrestris ♀ seen gathering pollen on willows & other Bombus bees. One Ichneumonid taken off Elder bush & three on bog.
Then walked up glen & swept swampy places on old track. Here took one Gelis & several Ichneumonids on umbels, &c.
George reported Bombus lucorum & terrestris ♀♀.
Two Small Tortoiseshell butterflies in meadow, but no Andrena seen on track or at willows & no chiff-chaffs heard in glen.

8th April 1934. A bitter cold day, except in shelter & when sun was out, with sleet & hail storms at frequent intervals & some sun bursts in between: wind NE in Dublin, but NW over plain. Drove to Edenderry, via Enfield, to see "The Derries" south of that place, recommended by Brunker. Several old sandpits in the cutaway, but very trampled by cattle & badly cut with the long grazing. Drove on to canal S. of Monasterevan, Q.Co., via Rathangan, & home after lunch there. No hymenoptera seen all day!

15th April 1934. After a fine warm night & morning
a cold S.E. wind came in from sea with rain,
later developing into a severe gale.
Went to "the pits" at Kilbarrack, Co. Dub., with
E.O.M. in morning; in Museum in afternoon.
11.0 till 1.0 P.M. "Pits", N. of railway, Kilbarrack,
Co. Dub.

All shaken out of grass or reeds (Typha) at edge of pond
or on banks thereof.
Hemiteles sp. 3 ♀♀ in reeds & grass on edge of pond.
Hormius moniliatus ♀, shaken out of dry grass, and
2 [illegible] Beetles with last
1 small [illegible] Chalcid-like Beetle.
4 brachypterous red & green Phalacrid
1 winged green Phalacrid.

Large flock of Swallows & Sand Martins arrived
about noon & flew over pond for 15 minutes &
then disappeared. Chiff-chaff heard at St Anne's.

Vespa sp.? ♀ & Tortoiseshell Butterfly — garden
at Howth X, at 10 AM.

From upper oak wood brought home bored branches broken off oak trees. From which emerged 10 Xiphydria
on 21st May 34; a ♂ [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
a ♀ [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] emerged the following day, 22nd
[illegible] [illegible] [illegible] [illegible] [illegible] only [illegible])

22nd April 1934. A fine day spoiled by heavy
showers, hail, &c.
Drove to top of oak-wood at Clara, Co. Wi, via
Glenealy & glen N. of Drumdangan: stopped for a few
minutes in last place (=1) at 11.45 A.M. & swept a couple
of Campoplegids off Vaccinium, a reddish ♀ Cryptid, a ♀
Aspilota by stream & beat a ♀ Dolerus aeneus off Salix.
Then on to top of Clara, oakwood (=2), & worked down
to "Osmunda glade" & environs, but heavy showers spoiled
collecting. Salix & all plants very backward!
Bombus lucorum ♀♀ frequent at Vaccinium flowers at 2.
B. jonellus 1 ♀ certainly identified with last.
Psithyrus distinctus 1 ♀ at Vaccinium at 2.
Vespa sp.? 1 ♀ seen at 2
Andrena lapponica? ♀ & Nomada ruficornis? seen by M.B.S.
on path above the sand flat.
Dolerus aeneus 1 ♀ on Salix at 1.]
Amauronematus tumentus R.L.E.F. - G.R. 17.12.34. ♀♀ beaten off Salix at 2.
Pimpla ♀ beaten out of fir at 2 (not kept.)
P. elegans ♀ beaten off of oak branch on sand flat at 2.
P. examinator ♀ beaten out of ivy at 2.
Lissonota carbonaria 1 ♂ beaten out of Salix at 2.

22nd April 1934 cont.

Oakwood at Clara, &c, Co. Wl., cont.

[A ich. seen on dead birch log at 2, but missed, very like a ♂ Xylonomus irrigator, but dark & very early.]

Campoplegid. 2 at 1, rest at 2.

Phaeogenes ♀ at 2.

Hemiteles? sp. at 2.

Bracon (A. variegator) 1 ♀ beaten off ivy, another ♀ off hazel just coming into leaf.

[Aphidius "nigripes" — MHS 4.1.35' 1 ♀ at 1]

2 [illegible] at 2.

1 Chalcid at 2

1 reddish Cynipid at 1

Bombylius major, the first fresh specimen I have seen, beaten off birch — Osmunda glade at 2.

Peacock butterfly seen at 1.

Only one Chiff-chaff heard (at 2).

23rd April 1934. A wretched day after a fine night & promising morning, with rain from 1.30 on — &c. after arrival of a "secondary depression".

Drove Rev. Gregg & his son Noel, also E.O'M., to Emo Park, Q.Co., where Rev P.G. Kennedy, S.J., now in charge of Jesuit College for Novitiates.

As the Greggs were only interested in conchology we stopped at all canals &c, & we spent 2 hours near Woodbrook House, close to Mountmellick canal, Q.Co. Here took & gave the Greggs many Acanthinula lamellata & one white Acicula lineata, the latter under a rock stone. Amongst beech leaves & one birch ... ♀ ich — Diaparsus? sp.?

Spent some time in rain going round the grounds at Emo Court & lake & saw some promising bits of collecting ground, stumps, glades &c.

In canal just S.W. of Monasterevan, Co. KD. dredged from the Barrow canal one specimen of the rare beetle Haemonia appendiculata, only previously recorded apparently from two places (Bu. & ME.) in the Royal Canal.

Willow Warbler heard at Emo Park.

27th April 1934. The first fine day for a week, but wind E.-NE, fairly strong & cold. Afternoon.

Drove Rev Gregg & son to Leixlip station, Co. KD., so that they could collect Amphipeplea glutinosa & Neritina fluviatilis in the Royal Canal. Spent a couple of hours in hot sun in marshes on left bank of Rye Water, above the aqueduct & here near or track (unless otherwise stated):—

Bombus terrestris & lucorum numerous ♀♀ seen.

Andrena miniatula 2♂♂ on clay escarpment E. of river.

A. [illegible] ♀♀ seen, 1 taken.

A. clarkella? 1♀ seen. A. albicans ♂♂ abundant at willows.

A. jacobi: many fresh ♀ taken off willows.

Nomada marshamella 1♂ seen. N. bifida 1♂ seen.

Sphecodes affinis 1♀ on Taraxacum.

1♂ Ich. not rare?

1 Blacus 1♀ swept in marsh

2 [illegible].

1 Cynipid.

Dolerus migratus 1♀ swept off Salix along canal ½ mile E. of Aqueduct.

Willow Warbler
Sedge Warbler
heard

29th April 1934. A fine day after a dull morning, & much sun, but cool & strong chilly E.-NE wind.

Drove to Raheen, between Dunlavin & Baltinglass, Co. Wi., but found everything very backward & at least a fortnight later than last year, in fact practically no signs of growth in the marsh & little to sweep. On way home stopped for tea at sand-cliff on R. Liffey, just below Ballymore Eustace, Co. KD., where vegetation much more advanced.

Marsh by stream, &c., Raheen, Co. Wi. 11-30 AM till 3.30 PM

Bombus lucorum many ♀♀ seen at willows.

B. agrorum several seen (♀♀) & at least one at primrose.

B. muscorum ♀ reported by George.

B. distinguendus ♀ reported by George & N.S. & later an undoubted specimen seen by me running steadily on bank N. of stream. Salius fuscus 1♀ seen in marsh.

Dolerus migratus: 1♂ swept by stream near old road.

D. aeneus 1♂ swept near Cart.

[illegible] 1♂ swept in marsh

Hemiptera.

[illegible]? 1♀ swept just below bridge where car left.

P.T.O.

29. 4. 34 cont. Roheen road, Wl., cont.
Dacnusa [illegible] 1♂ swept in wood.
D. areolaris 1♂ swept.
Aphidiinae spp. ♂♂.

Wingless Chalcids.
[illegible]. what six spp.

Butterflies. Small Tort., Peacock, Small White ♂ (MDS.)
Green-veined White 12), & Brimstone ♀ (G. Rhamni) seen for a long time & at close range just below bridge [illegible] [illegible].

Bank of R. Liffey, 1/4 mile below Ballymore Eustace, KD.
29. 4. 34. 4.30 till 5.0 PM.
Andrena sericea 1♂, 1♀ on Taraxacum
A. nigroaenea ♂♂ seen.
Halictus albipes ♀♀ seen on Taraxacum.
Salius fuscus ♂♂ & ♀♀ seen among grass.
Dolerus aeneus, 1 [illegible] ♂.

Dacnusa areolaris, ♂ swept by river (not kept!)
Aphidiinae ♂, ♀ [illegible].

30th April 1934. A most perfect day, not a cloud, very hot sun, & scarcely any wind. Millions of beetles flying & running everywhere, plenty of Andrena ♂♂, but practically no other hymenoptera.

Drove to Lathy & down Barnes Valley to Tankardstown, then to Kilkea deerpark, & home via Castledermot. With Rev. Gregg, Noel Gregg & E.O'M.

Stopped to collect below Lathy, (=1) in marsh & old sand pit, at Tankardstown bridge, (=2) & in Kilkea Park (=3), all Co. KD.

Bombus lucorum ♀♀ frequent. B. agrorum ♀♀
B. hortorum 1♀ at Taraxacum in Kilkea Park.
Andrena albicans ♂♂ abundant, ♀♀ seen at 2.
A. minutula? 1♂ in old sandpit at 1, N of road.
A. praecox ♂♂ common & 1♀, just out, at 2.
Salius fuscus ♂ seen at foot at 3.
Dolerus aeneus ♂♂ (& also at 1.) on thorn bush at foot at 3. (also D. nigratus 1♂ at 1.)
Hoplocampa chrysorrhoea, 1♀ taken by E.O'M. at 1 in marsh near Salix.
Empria excisa?? 1♀ at 1 in marsh.
Braconid 2♂♂ at 1.
Ophion obscurus 1♂ swept off [illegible] at 3.
Ang[illegible]? 1♂ at 2.

Coleoptera [illegible]

[illegible] 1935.

P.T.O.

30.4.34. cont. Athy district, Co. K.D. cont.
Apodota pallipes? 1♀.
Dacnusa areolaris 1♀ at 1 (not kept).
Aspilota nervosa? ♀ at 2.
Procto. Chalcids, 2♂ at 1 & 2.

Butterflies numerous. Small Tort., Peacock, Brimstone at 1 & 2, Orange Tip ♂♂ at 1 & 2, White 2 sp. frequent, Speckled Wood (1) in wood at 3, where also one which I am sure was a Red Admiral flew past me quite close, showing red, black & white on wings.

2nd May 1934. A beautiful day, but got dull in the afternoon.
Golden Hill, near Blessington, Co. Wl.
All insects beaten, mainly off larch (just in leaf) but some out of spruce & a few out of Pinus sylvestris in plantation on E. side of hill near summit, ca 900 ft alt.
Dolerus liogaster 1♀ only, beaten off the last larch beaten.
D. [illegible] 1♀ beaten (sent to [illegible]).
D. aeneus ♂♂ & 2♀♀   D. nigratus ♀ 1♂.
Blennocampa subcana? 1♂, 1♀. Allantus pallipes 1♀.
Lygaeonematus laricis? ♂♂ & ♀♀ (2♂♂ 1♀ sent to Smith).
Pachynematus ♀ & 2♂♂.
[illegible] ♀ on spruce. Orthocentrus radialis ♀♀ common.
& Proctos.

N.B. Send to Benson ♂ &

6th May 1934. A terrific gale from SE–SW all day & heavy rain for a couple of hours from noon till 2 p.m.
In morning drove Palmer & Allen to Glenealy, intending to go to Clara wood, but driven home by storm. In afternoon drove Allen to Luggala & home via Sunny Glen, where saw one queen of Bombus lapidarius running heavily; but gale too strong for insects.

9th May 1934. The first fine day after storm on 6th. Very warm (therm. up to 70° in yard), with much sun: much the hottest day of the year so far. Aft. 2-30 till 5-30 pm.
Drove to Enniskerry & spent 2½ hours in [illegible] between roads. Swifts heard at 4 P.M.
Bombus lucorum, terrestris ♀♀, agrorum ♀♀, muscorum (1) ♀ seen.
B. distinguendus 1 reported by M.D.S. near lower (E) road.
Andrena albicans ♂♂ common, also. A. praecox 1♂ seen.
Nomada marshamella ♀ & Andrena gwynana ♀ seen near E road.
Dolerus madidus 1♂ (escaped). D. dubius 1 pair ♀ [illegible]
D. aeneus 2♂♂. P. picipes 1♂. D. nigratus 1♀.
Loderus vestigialis ♂♂ common on slope to E. road at dead bracken. (all dark var.!)
Tom. luteiventris ♀♀ at rush. Rhogogaster aucupariae 1♂ at Salix.
Pontania [illegible] at Salix. 1♀
Empria ♂ [illegible].

9.5.34 cont. Enniskerry road, Co. Wi. cont.
[illegible] [illegible] ? 1♂, at Salix.
1♂ & [illegible] [illegible] [illegible]

Pimpla turionellae 1♀ at Salix.
Lissonota carbonaria 2♀♀ at Salix.

Sagaritis 1♂
Angitia vestigialis ? ♀, [illegible]
Bracon [illegible] 1♂♂, 2♀♀
—

Diptera n. sp.
~~[illegible] [illegible]~~ ♂♀, morning, at top of Salix branch
but no ♀♀ this year!
[illegible] ? ? 1♀, with elongated tarsi.
Apanteles cf. longicaudis Retz. 1♀, black, shining, long tubes.
Euphorus pallidipes 1♂
Dacnusa [illegible] 2 sp ♂, very small, [illegible] [illegible] 2♀ [illegible] [illegible], [illegible] [illegible]
Aphidius spp. 5♂♂.

Chalcids, Proctos, & [illegible] typified.

Also 1 Labia minor!

13th May 1934. A fine day, more or less, after a nice sunny morning; but cooler & in Dublin a chilly NW wind: wind NW & milder at Clara, some misty rain in late afternoon, but too late to prevent beating.

Drove, with C. W. Allen, to top of Clara valewood, Co. Wi., & walked down to sand-flat, as usual. All insects taken about the "Osmunda glade" or between that & the ~~Crony~~ Byrne, unless otherwise stated.

Bombus lucorum, agrorum, jonellus, & lapidarius (?) ♀♀; also ♀♀ of jonellus & Allen saw one ♀ lucorum.
Psithyrus distinctus ♀♀.
Andrena lapponica ♂♂, 1♀ only seen; mainly over
A. sericea ♂♂ frequent on sand-flat.
A. praecox 1♀ quite fresh at sand-flat.
A. jacobi & A. albicans ♂♂ seen.
Halictus rubicundus & calceatus ♀♀
Sphecodes divisus ?, 1♀ seen.
Salius fuscus ♀♀ common.
Vespa vulgaris, rufa, sylvestris & norvegica (Allen) ♀♀
Dolerus aeneus ♂♂, ♀, & picipes ? 1♀.
Amauronematus saginarius 1♀ } beaten off Salix
Pteronidea melanaspis ? green stigma, ♂. 1♀ } below sand-flat

13/5/34 cont. Clara, Wl., cont.

Empria immersa 1 ♂ off Salix. Pontania sp.? [illegible]

Pontania [illegible] ♂♂ & ♀ beaten off Salix (30 ♂ sent to [illegible])

[illegible] sp. ♂♂ & ♀♀: [illegible]
two specimens referred to [illegible]

Two small species [illegible] Pontania beaten off Wl. [illegible]

[illegible] flat.

Dryinidae 2♂♂ beaten off birch, d.

Macrocera 2♀♀ beaten (of [illegible])

Cryptid 2 ♂♂

13. 5. 34 cont. Clara, Wl., cont.

Tryphonid = [illegible] black, red abdomen, [illegible] beaten off birch in Osmunda glade; resemble Polysphincta!
= [illegible] ♀ (J.W.S.) 26/9/34.

[illegible] Ratz.? 1♀

Orthocentrus sp.? Stenomacrus sp. [illegible] ♀

Orthocentrus ♂ (sp. [illegible]).

Pimpla angens 1♂. P. brevicornis? small ♀.

Pimpla inquisitor ♂♂ present, 1♀ beaten off birch in glade.

P. sp. (= [illegible] small "inquisitor") 1♀; at Salix.

P. sp. (= [illegible]) [illegible] small [illegible], [illegible] banded hind tibiae; beaten ♂♂ at Salix.

P.? small ♂, black hind femora, [illegible] on [illegible] J.F.P. [illegible] 26.9.34

Stilpnus? 1♂

[illegible] ♀ 1♂ beaten in Osmunda glade.
Oct 1938 [illegible] referred to [illegible] & that the [illegible] are very [illegible] alike superficially. J.W.S.

Gonatocerus? [illegible] ♂ beaten off birch in Osmunda glade

Mesochorus 2♂♂ (? 2 sp.)

[illegible] all beaten near Osmunda glade, except 1♂ taken [illegible] in morning!

13.5.34 cont. Clara, Wl, cont.

Bracon 1♀.

[illegible] ♂ [illegible] [illegible] extended.

Apantelea pilosipes?

Microgaster tibialis? ♂

Earinus gloriatorius? ♂ & ♀; the ♂♂ seen a wind.

Ephedrus persicae? 1♀ [illegible]

Microctonus aethiops ♂

Calyptus fasciatus? a ♂, but wings seem quite clear!

Eubadizon extensor ♂

Aspilota nervosa? ♀

Orthostigma pumila 1♂

Ephedrus validus 2♂♂, 1♀.

Proctos. & Chalcids.

Bombylius major 2 seen flying over sand-flat & taken

Silpha 4-punctata beaten off Salix in Osmunda glade

14th May 1934. A fine day, though mixed sun & strong NW-W winds, frequent showers during & after which temperature fell greatly. Fair insects, out!

Drove, with E. O'Mahony, to Colbinstown, Co. Wl side of boundary; but very cold & windy, so came back to Rathsallagh Ho. & collected in marsh: also cold & windy & heavy showers spoiled everything; next returned via Dunlavin to Raheen, but vegetation still backward & the place windswept; finally left there & drove back to wood ~~at~~ near Dunshane, near (S. of) Naas, Co. KD. ~2 miles N of Harristown bridge on R. Liffey!

Marsh by railway near Colbinstown Station = 1.

Marshy field east of road near Rathsallagh Ho. = 2.

Marsh at Raheen (most insects taken here!) = 3.

All Co. Wicklow. 11.30 till 3.30 p.m.

All labelled as detailed after [illegible]!	Raheen Co. Wl. AWS 14.5.34

Salius fuscus ♂ on roadside at 3.

Dolerus nigratus 1♂, 1♀ in cop. (taken at 2? [illegible])

D. palustris 1♀ in cop. – marsh at 2.

Loderus vestigialis 1♂ at 3.

Empria sp. 3♂♂, probably at 3.

Blennocampa tenuicornis 1♂ [illegible]

14. 5. 1934 contd. [illegible] C. W[illegible]
[illegible] ♂♂ 15.

[illegible] [illegible] 1♀
[illegible] [illegible]? 1♂
H[illegible] "nigrina" ? ♀.
[illegible] 1♂
Empis vitripennis ? 1♂
Pl[illegible] sp.? 1♂

[illegible] [illegible]? 1♂ (? a small dark var. of ♂)
[illegible] [illegible]?? 1♂
[illegible] gibbipes 1♂.
A. [illegible] ?? 1♂ ?? with only 25 jointed antennae
Aphidius ♂.
1 Chalcid
2 Bracon.

1 Cynipid

14. 5. 34, afternoon. 3.40 – 5.0 PM.
Stopped at plantation (wood?) at Dunshane, S. of Naas, Co. Kd.

[illegible] [illegible] ♂♂ & ♀♀ in hundreds, under leaves of beech, & swept in wood by E. O'M.
[illegible] [illegible] 1♂ with 25 jointed antennae.
Phaeogenes [illegible] ♀ (= [illegible] [illegible])
[illegible] ?? 1♀
Hemiteles [illegible] 1♀
H. " ♂.
Leptocryptus [illegible] ? ♂.
Cryptus ♀

18th May 1934. Left Dublin at 3.0 P.M. & drove to Duncannon, Co. Wexford.
After a wet night & morning, beautifully fine in Dublin by midday & as far south as Carlow, then we drove into rain which continued all the way to Duncannon, so that no collecting could be done at all.
With J. N. Halbert!

19th May 1934. A glorious day after another wet night. Nearly all sunny after 11 AM.

Drove to Ballyteige Burrow (at Kilmore Quay end), Co. WX. to look for more Thyreocoris scarabaeoides, the bug I got here in May 1932 & which was new to Irish fauna: six specimens taken in moss covered hollows in two places, about ½ & 1 mile west of Kilmore Quay.

Also took

Tetramorium caespitum ☿☿ abundant & saw them carry out 4 larvae, apparently for a new nest,

Myrmica scabrinodis & sabuleti ☿☿ in many places.

Lasius niger 1☿ seen in one hollow on inland side of dunes.

Bombus lucorum, terrestris (1♀ George!), agrorum, muscorum & lapidarius ♀♀.

Osmia aurulenta 2♂♂, just out, taken in hollow 1 mile from K. Quay, on Viola (canina?) flowers.

Dolerus picipes ♂♂ & ♀ D. haematodes 1♂ } all swept off Juncus in wet dunes.
" aeneus? 1♂

Pachynematus diaphanus ♀ 1♂ in drain along road.

Aptilotus n. sp. or same as [illegible] ♀ in drain. Aphidae 1♂
(Same taken at the Burrough, Co. WX, on 14.5.32 (or 33?))

Gymnocampa [illegible] 2♂♂ in drain.

Bracon [illegible] 1♂ in marsh drain. B. [illegible] 1♂

[illegible] 1♀ [illegible] 1♂ [illegible]

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19.5.34 cont. Ballyteige Burrow, WX cont.

[illegible] 1♀ [illegible] 2♀♀, [illegible]

[illegible] 2♂♂, one very small & with [illegible]

[illegible] ♂♂ & 3 other [illegible] (not do)

Pimpla [illegible] 1♂.

[illegible] 1♂.

[illegible] 1♂

B[illegible]

[illegible]

19.5.34 Duncannon, Co. WX.

Bombus derhamellus seen on wallflowers at S.E. cliffs under the fort at 10.30 AM.

Ichneumonid ♂ on window in hotel at 7.0 PM.

20th May 1934. A disappointing day, misty rain in morning & cold sea fog all day at Duncannon, very hot & some sun at The Pink Point (below New Ross) in afternoon. Left Duncannon at 11.15 & drove to New Ross, but stopped for a few minutes in side valley full of Salix near Camlin Hill, where took one small sawfly (damaged by beating?) then on to The Pink Point on Kilkenny side of river till nearly 5 PM. P.T.O.

20/5/34 cont. Glen S of Camlin Hill, Co. WX.

Hoplocampa [illegible] 1♀ beaten off willow bush N. of road. (there were blackthorn bushes — flowers nearby! AWS)

20.5.34 cont. [One discovered labelled by mistake 20.8.34. ? how many more! AWS. 5.1.35.] Those taken at 1 labelled "Pink Pt", those at 2 "Pink Pt. (2)",

Wood on "cliff" above road just N. of The Pink Point, Co. Kilkenny (=1); shore below road & marshy fields, hedges, rushes, &c. just S. of Point (=2). Most insects at 1 beaten off sycamore, elm, &c.

Bombus lucorum, agrorum, muscorum ♀♀ at 2.

Dolerus [illegible]? ♂ in marshy ground at 2.

— aeneus? beaten off oak at 1.

Pimpla inquisitor 1♂ at 1, under Sycamore leaf).

Homocidus a small ♂, = H. nigritarsus var. without areolet

Helictes borealis? 2♂♂.

Dicolus ? of my dark ♂ (? near [illegible]) at 1

Parabates [illegible]? off sycamore or elm at 1, 1♂ at 1.

Agrypon flaveolatum? ♀ at 1.

Leptocryptus 1♂ at 2

Cryptid 4♂♂, 2♀♀ at 2 (Hemiteles ♂?)

[illegible] [illegible] ✓ AWS 19/3/35 (? mistake previously for a Hemiteles ?)

20.5.34 cont. "The Pink Pt." (="Pink Rock" locally)! —fide Ord. map! Co. KK. cont.

Bracon [illegible] 1♂ at 2.

Rhyssalus indagator 1♂ at 1. [illegible] ? 1♂

Colastes braconius ♂♂, ♀♀ common. Euphorus pallipes ♂ at 2.

Opius [illegible]? 1♂ at 1. Calyptus fasciatus 1♀ at 1.

Phaenocarpa conspurcator? 1♀ at 2 in marsh.

Aspilota fuscicornis 1♀ at 1. A. distincta 1♀ at 1.

A. nervosa? 2♂♂ (large, small) & 4♀♀ at 1; 1♂ at 2 (v. small)

Aphidius 2♂♂, 1 at 1, at 2.

Proct. (= Disogmus areolator) red thorax, curiously complete neuration, 1♀ swept at top of cliff road at 1.

21st May 1934. After a misty night clear at 10 AM & sunny almost all day, very warm & sultry but very strong S.W. wind which made collecting difficult & kept insects shy.

Left Duncannon, WX. at 10.30 & drove via New Ross, Enniscorthy & Newtownbarry to Kilcarry Bridge, Co. Carlow, where arriving at 12.30 & stayed till 3.30 P.M. Then drove, via Tullow & Baltinglass, to Rathdrum Co. WI., where stopped for half an hour 5.0 till 5.30. Then home via Dunlavin & Naas.

N. of Dunbrody, Co. WX, George caught a ♀ Dolerus [illegible] ♂ in car at 11 AM.

21.5.34 cont.

Glen of the Glashavreigh, Kilcarry Bridge, Co. CW.
12 30 till 3.30 PM.

Bombus agrorum, muscorum, derhamellus (1) & lucorum (1) ♀♀
Vespa ♀ seen.
Crabro chrysostomus, 1 almost black ♂ just inside gate from road,
Andrena praecox ♀ seen on Salix (♂) catkin flowers,
A. minutula or subopaca ♀♀ common on same willow,
Halictus rubicundus & calceatus ♀♀ seen on path.

21.5.34 cont. Kilcarry Bridge, CW., cont.

Lasius fuliginosus ☿☿ abundant at same old stump & 30 yards further up glen on edge of road (Halbert), but the tree in which the Great Moth "forks" situated had been blown down, across road, & sawn off several years ago & was tenanted by large colony of Lasius flavus.
Myrmica, none seen on path where M. schencki used to be & glen much overgrown with Gorse

Allantus cingulatus? 1♀
Empria 1♀
Athalia cordata (1st seen 1934!) 1♂, many seen in marsh.
Blennocampa affinis (RRB?) ♂.
[illegible] ♀
Schizocera geminata 1♀ on road near where L. fuliginosus nests.

Large black, red & white banded antennae, Ichneumon, just labelled by Slaney
Ctenichneumon [illegible]? ♀
Ce. lotera ♀. Cryptus ♂
Pimpla flavicans ♂ & ♀. Asthenara crassiformis ♂, AWS 1961.
[illegible] 2 ♂♂ & 1 ♂ [illegible]

Homotropus cinctus 3/4 ♂♂ } taken with sweeper just inside gate
Promethes laticarpus 5 ♂♂. } & in marsh respectively.
cognatus 1 ♂
Campoplex 1. Campoplegidea ♂

21.5.34 cont. Kilcarry Bridge, C.W., cont.

Bracon sp. ? [illegible] 7♂♂ 4♀♀ taken with motor past hinde gate from road & amongst brambles, ♂ ♀ ♂. Very variable!

B. [illegible] ? 1♂, with 37 jointed antennae [illegible]

B. terminator ♂.

Euphorus pallidipes ♂

Ephedrus [illegible] 2♂♂

Cynips

Chalcids.

from 2 batches of Apanteles (white) cocoons found beside dead aurinia larvae in march, specimens of Ap. melitaearum Wilkinson emerged from 23.5.34 onwards; examined by D.S. Wilkinson in Oct. 1936 & made co-types of his n. sp. A.W.S. 24.10.36.

~~[illegible] 1934 [illegible] Bracon [illegible] cocoons [illegible] Apanteles [illegible] found [illegible] 2♂ [illegible] Hemiteles [illegible] Ceraphronid? [illegible]~~ A.W.S.

21.5.34 cont. Rahen, Co. W.l. 5.0 – 5.30 P.M.

A few minutes swept in shelter of wood just below bridge & one or two lorries down stream, but very windy & few insects out: first sunlit since this day week nevertheless.

Dolerus nigratus 1♀ D. aeneus 1♀.

Empria f. ♂.

Eupelmus [illegible] ? ♀ Cryptid [illegible] ♂

[illegible] ♀

Euphorus pallidipes ♂ Aspilota districta ? 1♂

2 small Cynipids.

22nd May 1934, evening 6.0 – 7.0 PM.

Garden at 14 Clareville Road, Harold's Cross, Co. Du.

Homocidus ornatus var. deplanatus ? 1♀ (first ex. taken in garden 1934) has the apically converging keels on 1st segment supposed to distinguish deplanatus from ornatus, but if the ♀ is the real deplanatus then I agree with Roman that the lump it with ornatus. A.W.S. 12.10.36.

H. cinctus 1♀, abd. almost black.

Angitia 1♀. Diaspria ?

Cryptids 2♂♂

Bracon variator ? 2♂♂.

Cynipids 2. House Flies 3 ff =

Later: the ♀ [illegible] of the same [illegible] Holm. [illegible] A.W.S. 21.10.36

23rd May 1934, evening, 6.0 PM onwards.

Garden, Harold's Cross, Co. Du., as above.

[on return from Museum at 5.15 PM a small black ich. ran out of the lock of yard door; when captured it proved to be a ♀ ~~[illegible]~~ Scambus [illegible] !]

Plectiscides [illegible] 2♀♀. Diaspria ?? 2♀♀.

Hemiteles ? 1♂ Bracon variator ? 2 small ♂♂, 1 normal ♀.

Ceraphronid 1♀ Chalcid & Cynipid.

24th May 1934, evening. Same locality.

Homocidus cinctus ?, almost black, ♀♀.

24th May 1934. A most perfect day at Rostrevor, with soft W. wind & nearly all sunny: chilly E. wind in Dublin. Left Dublin by 6.40 AM train for Warrenpoint to report officially on late Rev. W.F. Johnson's collection of insects offered to Museum. Walked from Warrenpoint to Rostrevor: at latter place spent half-an-hour shaking sea-weed on shore, from which got a few beetles for O'Mahony but no sign of Hymenoptera. Kept all day indoors by work (& Mrs J's talk!) & had to catch 2.30 bus to Warrenpoint for 3.20 train home.

While waiting for bus found a black Dolerid sawfly was in field opposite Rostrevor Terrace in dozens flying to Equisetum arvense: saw one pair in cop. & captured same with meteor, through the paling; also took 3 ♂♂, 1 ♀ by hand flying up & down roadside. All proved to be Loderus palmatus on return home, a sp. which I have never seen in quantity before. Homocidus nigritarsus, 1 ♀ also taken in Johnson's front garden & small black ♀♀ Andrena also seen there on Globe Flower (Ranunculus or Trollius?), probably A. subopaca.

26th May 1934. Evening. Garden, 14 Clareville Rd., Harold's X, Dub.
Vespa germanica ♀ taken. "Narcissus Fly" first seen 1934.
Pimpla instigator 1 ♀ Homocidus ornatus 1 ♀. H. nigritarsus, 1 ♂.
Bracon variator?, 1 ♂. Cynipid.

27th May 1934. A glorious day where we were but cold & dull in Dublin after noon.

Drove, with C.W. Allen, to The Murrough, at Newcastle, Co. Wi., & then on to the oak wood at Clara: all sunny while we were there & wind S.E.-E most of the day, though N.W. later & in Dublin.

The Murrough, Newcastle, Co. Wi. 11 till 12.30 noon.
Bombus lapidarius several ♀♀. B. terrestris several ♀♀. B. muscorum ♀♀ abundant & beautifully fresh. B. lucorum ♀♀ B. jonellus 1 ♀ seen on Lotus.
Osmia aurulenta ♂♂ & ♀♀ abundant on Lotus about ½ mile S. of station, but not before 11.30 AM.
Andrena albicans ♂♂ very common in spots.
Pompilus plumbeus ♂♂ & 1 ♀ on edge of sand.
Tachysphex pectinipes 1 ♂ with [illegible].

Several "ichn." swept along drain inside railway.
Cryptid ♂ Promethes laticarpus & melanarius, very dark

Alloea contracta, 1 fully winged ♀.
Trypetid fly at [illegible] [illegible] gate.
[Agrypon? ♂, caught in motor at Newrath Bridge, Wi., on way to Clara.]

27/5/34 cont. Oakwood at Clara, Co. Wl.
2-0 till 5-30 PM.

Bombus lucorum, agrorum & pratorum ♀♀ & many ☿☿ of last.
B. lapidarius 1 ☿ in upper wood (Allen). B. hortorum 1 ♀, running.
Andrena albicans ♂♂. A. praecox 1 worn ♀ at Salix in Osmunda glade.
A. subopaca 1 ♀. A. ♂♂ flying on Vaccinium, ? species.
Sphecodes divisus ♀♀ (Allen).
Pemphredon lugubris 1 ♂ in Osmunda glade.
Amblyteles ? very large ♂.

Phyllotoma vagans ? 1 ♀ on alder in Osmunda glade
Strombocerus delicatulus ♂ seen in wood.
Dolerus picipes 1 ♀ on roadside above wood & dozens of some Dolerus flying round holly tree (in flower) on roadside, where car left, at top of wood.
Cimbex femorata 1 fine ♀ at birch in Osmunda glade
with all black body!
Tenthredo ? 2 small ♂♂ all black wings ; (? small ? [illegible])
Cratichneumon fabricator ♂♂. C. albilarvatus ? 1 ♂.
Platylabus pedatorius ? 1 ♀.

Centeterus opprimator ♀

27/5/34 cont. Clara, Wl., cont.
Hemiteles ? very small, black, & like Stenomacrus ?) carded =
2 ♂ Cryptides
Pimpla instigator 1 ♂. Phytodietus ♂.
Pimpla turionellae 1 ♂ 1 ♀. P. examinator (brassicariae) 2 ♂♂.
Pimpla inquisitor ♂♂ abundant, 2 small ♀♀ in glade.
As well as a very large ♀ on birch in glade.
P. IV-dentata ♂♂ & ♀♀ in wood. P. rufata 1 ♀, large!
P. sp.; 2 ♂♂ at birch in Osmunda glade (? ~~[illegible]~~
? one of them has strikingly & doubly "exaggerated" front femora
& must be roborator ?, while the other has not, & is examinator) ? A.W.S.
or sp. K or sp M. 13/10/34
Ischnocerus filicornis ♂♂ frequent, several ♀♀.
Xorides 2 ♂♂, one at holly near glade, the other flying along ditch near top of wood
Mesochorus 1 ♂.
Sagaritis (? [illegible] ♀) 2 ♂♂. [illegible]

Campoplex 1
Mesoleptus 1
Chorinaeus funebris ? 2 ♂♂. Exochus longicornis ? 1 ♀?
Mesoleius M. —
Meteorus ?? ♂, [illegible], & with [illegible]

27.5.34 cont. Clara, Ll., cont.

Mesochorus

Paniscus

Bracon epitriptus ? 1♂ 1♀.

Meteorus pulchricornis ♂ ?

Dacnusa lateralis ? 1 small ♂ Aspilota [illegible] ? 1♂

Garden, Harold's Cross, Dublin. Various dates, till 31.5.34.

Chrysis ignita (presumably a ♂) first seen on evening of 26/5, plenty on 30th & 31st.

Odynerus pictus ♂♂ first seen on evening of 30th, the first sunny day after 26th.

Crabro varius many ♂♂ (? also one or two ♀♀) seen on 31st, also a long sunny day though none certainly out on 20th; some investigating nest holes I bored in clothes-line post a few days previously, & yet some people say these insects can't see clearly.

Bombus lucorum 1♀ on evening of 21st May on flowering black currant, none seen after this (? as black currant flowers over) & 1♀ on Cotoneaster in front garden on 1st June.

B. agrorum first ♀ seen several days.

Andrena jacobi, last ♂♂ seen about 26th May, when both sexes seen. 1♀ again seen on 1st June!

Nomada marshamella ♀ seen on 31st May.

Homotropus pictus 1♂ on 29th, 2♂♂ on 30th, [illegible] 1♀ on 31st. H. [illegible] 1♂ on 30th, 1♀ [illegible] on 31st. H. [illegible] a pair ♀ on 31st. H. [illegible], [illegible] on 31st. H. ornatus 3♀♀ on 30th, 2♀♀ on 31st.

H. cinctus [illegible] 3♀ on 31st. H. [illegible] 1♂ on 31st.

Bassus tricinctus 2♀♀ on 31st.

Angitia ? 1♂ on 29th, a ♀ on 30th, & a ♂ on 31st.

[illegible] sp. 1♂ on 30th, 1♂ & ♀ on 31st.

[illegible] [illegible] 1♀ on 30th.

[illegible] [illegible] 1♂ on 30th.

[illegible] [illegible] 1♀ on 30th. Cladius sp. 1♀ on 30th.

Bracon variator ? ♂ & ♀ on 30th. B. [illegible] ? ♂ & ♀ on 30th.

[illegible] [illegible] ♀ on 30th.

2 Cynipids 1♂ 1♀ on 30th.

Syrphus, Trypetid, a small Diptera on 30th.

30th May 1934 A glorious day after two dull ones, but very strong E wind in afternoon kept insects shy.

Went to Glenasmole, Co. Dn to get Dolerus spp. for J. W. Saunt of Coventry, but only Loderus vestigialis common & too early for ♀ D. dubius & D. bimaculatus, while D. [illegible] not seen.

Bombus lapidarius, agrorum, & muscorum (many) ♀♀ seen.

Dolerus bimaculatus 3 ♂♂ in marsh below dam & W. of road (=1) & 1 ♂ E. of lower reservoir (=2)

D. dubius 1 ♂ with Cark. D. sp.? [illegible] ♀ seen in field [illegible] — Cark, [illegible] not there.

D. gonager 1 ♂ taken & ♀ missed — wood E. of lower reservoir

D. aeneus ♂♂ in marsh & field above same. Tenthredo "arcuata" 1 ♀ (1st seen 1934)

Loderus vestigialis ♂♂ & ♀♀ abundant in both places.

Selandria serva 1 ♀ in marsh. Tenthredella [illegible] ♀♀ in wood.

[illegible] in car on arrival in shelter = Trichiocampus viminalis? 1 ♂

Ichneumon ~~~ ♂♂ 2.

Pimpla [illegible] ♂♂ at Sallow at 2.

Campoplex 1 ♂.

[illegible] [illegible] ♂ 1. Homocidus [illegible] 1 ♂

[illegible] [illegible], probably in wood at 2. Bracon [illegible]? 1 ♂.

Euphorus pallidipes 1 ♂

Orthostigma? pumila 3 ♂♂ in shady end of marsh at 1 & in wood at 2 (?[illegible])

[illegible] [illegible] 1 ♂.

Aphidius ♂ in marsh at 1.

31st May 1934. Another glorious day, E wind, all sunny. In afternoon went up R. Canal with Mrs Lloyd (Co. Limerick) & children to look for water snails. Hawthorn in full blossom & just above "Liffey Junction" station saw thousands of Empidids flying in bunches round tips of branches: 3 taken with the hand, all ♂♂. Many ♂ Andrena jacobi also coursing up & down. Bombus lapidarius & terrestris 1 ♀ each seen on tow-path & Ed. Lloyd recognised the terrestris as the species next most common after lucorum at Heathfield, Kilmeedy, Co. Lk.

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1st June 1934. The third perfect day, but cool & breezy.
Garden, 14 Clareville Rd., Harold's Cross, Du.
5.30 till 8.0 P.M.

Bombus [illegible] ? 2♂♂, B. terrestris ? 3♂♂, 2♀♀, all seen only.
B. sp. [illegible], [illegible]
Aspilota [illegible] ? 1♂.
Hemiteles [illegible] 2♂♂ 3♀♀, H. dimidiatus ? 1♂, H. pulex 1♂.
[illegible] 3♀♀ !
Microlinae sp. 4♀♀.
Clinocentrus [illegible] 1♂.
Cryptids. 2♂♂, 1♀ (2 spp.) = Leptocryptus ♂.
Campoplegid ♀, Casinaria
[illegible].

2nd June 1934 The fourth perfect day, cool & breezy.
Garden, Du., as above. 5.30 – 8.0 P.M.

Hemiteles [illegible] 3♀♀
Microlinae sp. 1♀, [illegible]

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3rd June 1934. The fifth perfect day but still cool N.E. breeze.
To museum in afternoon, so rode on cycle to foot of Glenasmole & collected in D. dubius marsh for two hours. — 10.30 till 12.45 a.m.

Bombus terrestris (1), lucorum, muscorum, & agrorum ♀♀ seen.
Andrena fucata ♂♂ (examined!).
A. gwynana 1♀ (examined!) [illegible], settling on side of road & in [illegible]
A. wilkella ? 1♀ seen running on [illegible], but missed.
Halictus calceatus 1♀ seen on thistle.
Tenthredo arcuata several ♂♂ seen. Tenthredella atra 1♂.
Tenthredella temula ♂♂ seen
Selandria serva common.
Tom. luteiventris ♀♀ common. Tom. ephippium 1 black ♀.
Dolerus germanicus 1♂. D. dubius 3♀♀, 1♂.
D. bimaculatus ♂♂ & ♀♀. D. haematodes 3♂♂.
D. nigratus 1♂.
Loderus vestigialis ♂♂ & ♀♀ common.
Hoplocampa crataegi 1♀ on hawthorn blossom.
A specimen which looked like an Arge seen flying in sun!
Trichiosoma, 1♂ flew down & [illegible] in marsh.
1 ♂ off willows.
[illegible] 2♂♂, beaten off Salix (caprea?).

Most sawflies, posted to J. W. Saunt

48.

3.6.34 cont. Glenasmole, Co. Dub. cont.
Alomyia debellator ♂♂ (1st seen 1934).
Cratichneumon ♂. 6 ? [illegible] 1♂.
Hemiteles ♀

Pimpla pomorum ♀ swept off hawthorn flowers.
Tromatobia [illegible] ♂
Smicroplectrus bohemani ♂♂ flying round Salix.
Exochus flavomarginatus 2 flying at Salix.
[illegible] fen (Hoff.)

[illegible] ♀ [illegible] ♂
Bracon [illegible] ♀ swept in [illegible]

3.6.34, 5-30 till 8.0 PM. Garden, Harold's Cross, Dub. [illegible]
Tenthredo [illegible] 1♀ certainly seen (♂♂?). Cratocryptus [illegible] & [illegible]
Chrysis ignita, including large (?♀) specimen. Odynerus pictus ♂♂.
Andrena [illegible] 1♀ [illegible]. Chelostoma [illegible] ♂♂.
Homocidus ornatulus 1♂, 3 large ♀♀ & 1 very small ♀ with [illegible]
H. pinorum 1♂; H. pictus 2♀♀. Mesoleius ? 1♂, with red [illegible] abdomen.
Campoplegid ♂
Bracon variator ? 1♀ B. [illegible] ? 1♀.
Cynipid ♂ & ♀ [illegible]

(49.

4th June 1934. Garden, Harold's Cross, Dub. 5.30-8.0 PM.
Plectiscidae [illegible] 1♀.
Leptocryptus 2♂♂, often seen.
Homocidus ornatulus 1♂, 7♀♀. H. pinorum 1♀. H. pictus 2♂♂.
H. tarsatorius 1 small ♀. H. flavolineatus 1 very small ♂.
Mesoleius dull sp. 2♀♀. M. red sp. 2♀♀ at [illegible]
Diaparsis ? sp. 1♀.

5th June 1934. Garden, Harold's Cross, Dub. 5.30-8.0 PM.
Leptocryptus ♂♂ abundant, 5 taken.
Hemiteles ? red ♂ [illegible] smaller red ♀.
Homocidus ornatulus 2 tiny ♂♂, 7 large ♀♀.
H. pictus ? 2 ♂♂ with [illegible] abdomen [illegible]
[illegible] 1♀, larger than pictus, with [illegible]

Dacnusa [illegible] 1♀
[illegible] ♂ & ♀
Bracon variator ? 2♀♀
Cladius ? 1♀
Chalcid.

6th June 1934. The 8th perfect day in succession!

Slade of Saggart, Co. Dn. 3.0 till 5.0 PM.

Nearly all sweeping & mostly in stubble. Most insects taken on west side of the slade, where old road runs under trees to join the Saggart–Brittas road (=1); a few taken below the old bridge in marsh between old road & river (=2); some swept in marshy spots on floor of slade where stream are divided, beneath 1 (=3).

Bombus lucorum, agrorum & muscorum, a very few ♀♀ seen.

Andrena [illegible] ♂♂ & ♀♀ seen. A. [illegible] ♀ seen on Cerastium flowers.

Nomada marshamella ♀♀ common at bank. N. ruficornis 1♀ at 1.

N. flavoguttata? twice seen at 2, along bank of road.

Chrysis ignita (♀ ♂) swept in marsh!!

Dolerus haematodes 1♀ in marsh at 2. D. nigratus ♀ at 2.

D. ferrugatus ♂ swept in sedgy spot just where rivers divide at 3.

[illegible] ♀ & ♂♂.

Selandria serva ♂♂ & ♀♀ at 3. Tom. [illegible] at 3.

Empria ♂ at 1. ♀.

Hoplocampa crataegi (♂♂ & ♀♀ [illegible]) on hawthorn, apparently common at 1.

H. pectoralis (♂♂ & ♀♀ [illegible]) : on a [illegible] on hawthorn at 2.

Pamphilius [illegible] ♀ at 1, on bramble.

6.6.34 cont. Slade of Saggart, Dn. cont.

Ichneumon [illegible] ♂.

[illegible] ? 1♂.

Cryptus [illegible].

[illegible] 1♂.

Tryphon [illegible] 2♀♀. [illegible]

Hadrodactylus [illegible] 2♀♀. Stenomacrus [illegible] 1♂.

Homocidus flavolineatus 1♂ swept off grass beside old road at 1.

Homocidus pectoratus 1 [illegible] ♂, 1 [illegible]. H. [illegible] 1♂.

Mesoleius [illegible] 2♂♂.

2 Campoplegines —

Also some [illegible] 2 Proctos.

Bracon [illegible] 2♂♂, very small.

Earinus gloriatorius 1♀ & 1♂.

Rogas circumscriptus 1♂.

Brachistes carbonarius 1♀ (? at 1)

Aspilota [illegible] swept off grass under trees at 1.

Aspilota ~~[illegible]~~ 1♂. [illegible] 1937.
A. [illegible] 1♀
A. spp. 4♂♂, 7♀♀.

Gyrocampa [illegible] ♂ beside stream at 3.

Coelinius elegans 1♂.

7th June 1934. A fine day but not so ~~fine~~ sunny as those of previous week, afternoon mainly cloudy.

Drove, with Art O'Murnaghan, to waterfall in Powerscourt demesne, Co. Wi., & walked up by path E of fall to upper plateau. Only collected above this point, & along upper Dargle to tributary coming down from Douce, up which we went for about a mile. Most insects taken in gorge above fall (= 1) or at birch trees in "glen" at foot of the Douce tributary (= 2). Alt. of collecting ground, would be from 800 to 1250 ft.

Bombus lucorum & agrorum, one or two ♀♀ only seen.
Psithyrus distinctus 1 ♀ seen. P. sp.? (like quadricolor) 1 ♀ seen.
Andrena jacobi 1 ♀ at 1, with pale hairs on face.
Nomada ruficornis ♂♂ common flying to birch at 2.
[Many burrows in sandy moraine of tributary valley at 2 but no [illegible] & no bees seen. Looks as good as the Slade Brook moraine in upper Glenasmole.]
Anteon spp. all at 1, mostly on birch.
= A. brachycorne ♀♀ =

Dolerus aeneus ♂♂ & ♀♀ at 1 & 2. D. picipes ♀ at 1.

7.6.34 cont. Upper Dargle, Powerscourt dpk, Wi, cont.
Tenthredella atra, balteata, ferruginea & livida at 1 & 2
Pristiphora geniculata 1 ♀ (✓ RCLP.) on [illegible] Pyrus aucuparia in stream bed at 1. Strombocerus delicatulus ♂, ♀♀ common
Pachynematus obductus 1 ♀ at 2 in marshy spot.

Arge [illegible] 1 ♂ on rock at 1.
[illegible] 2 ♂♂ [illegible]
Bassus [illegible] ♂
Cratichneumon rufifrons ♂♂ com. at 1 & 2.
Hemiteles [illegible] ♀ [illegible]
[illegible] ♂♂, 1 ♀ [illegible]

Phygadeuon ♂. Stenomacrus [illegible]? 3 ♂♂.
"Microcryptus" (H.) nigricornis 2 ♂♂, Plectiscus? ♂♂ (? 2 spp.)
[illegible]? 1. Zootrephus? [illegible] ♂.
Exochus flavomarginatus 1 on birch at 2. Orthocentrus [illegible]? 1 ♂
Brischkea [illegible]? 1 ♂. Mesoleius [illegible]? 1 ♀ M. [illegible] ♂, M. [illegible] 1 ♀
[illegible] 15 [illegible] ([illegible])

Helictes [illegible] ♂.
Campoplex [illegible] ♂

7.6.34. Upper Dargle, Powerscourt dpk., Co. Wi. cont.

Trichocera 10♂.

[illegible]

2 [illegible]

Two Trypetid [illegible] flies & a [illegible]

5th June 1934. Rain came on at 7.0 A.M., owing to "jam", but it cleared about 11.0 & fine & mainly sunny till 5.0 PM.

Drove to Bray to meet J.N. Halbert, who did not turn up, so went on alone to the deerpark, Powerscourt, Co. Wi, where arrived at 11.30 & found there had been less rain there than in Dublin or Bray; yet everything dripping & no wind.

After 12, noon, a slight breeze & sun soon dried everything & collecting good for rest of day (till 6.0 PM)

~~[illegible]~~ Spent day along river from "march of the logs" below the sawmill up to the "meeting of the waters", all in the floor of the deerpark.

...k, Wi. cont

seen only.

[illegible]

at [illegible]

...ly all or mainly [illegible]

[illegible] sawmill & one

recently dead!

[illegible] on the [illegible].

[illegible] ♀♀ on [illegible]

[illegible] 10♂, 1♀ (evidently not yet pupated out)

1♀ in marsh.

[illegible] near the Scout.

near the Scout.

[illegible] of each [illegible] in

see remark under ♀ on p.65.

1♀.

Cephalops metallescens? 1♀.

Cheque for [illegible]

[illegible]

[illegible]

17. 6.

Cheque for Life
from
May MacD.
£3. 17. 6.

Newton Abbot
29. i. 34

Dear Stelfox,

A week ago last Saturday I had practically finished your sawflies, that is so far as I could identify them, & expected to return your box last Monday, but since Sunday I was vy unwell & quite 'hors de combat'! This last Saturday J. F. P. & his friend 'Jane' Brown came down for the week end & go back to-morrow (Tuesday), he to the B.M., & she to Slough.

There is still one sawfly to determine in your box of those I can do.

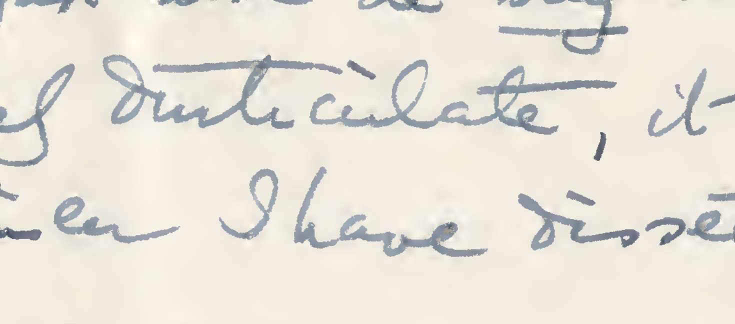
Your Pteronidea on sallow ♂ & ♀ wh. Benson thought to be new I have not spent much time over, as he ought to know these things much better than I do. It seems to be close to Pt. polyspila & capreae in Enslin. He says polyspila feeds on ~~alder~~ sallow as well as alder, but I am vy sceptical. I never bred any from sallow in that intensive breeding work we did here for several years, but I bred & took it on alder only. Might your insect be his 'polyspila'-from-sallow??

Most of those dubious white-spotters with simple or small-toothed claw I cannot do anything with. I left such things in my possession as doubtful forms of liturata, this species apparently being liable, owing to variability in form of clypeus, to be referred either to literata or to one or other of the tridens group!!. The clypeus in my opinion is a rotten character, & in the tables authors frequently use the characters of the ♀ antennae, without saying that these would be all wrong for the ♂♂!

However there are quite a few of your Emprias I can determine positively — or rather I should say that I can say they are positively the same as individuals I have previously determined for myself without much doubt!

You will have to look at the saw of one of your Dolerus germeri as I have taken out the saws of the small ♀ you sent. I cant find Morice's paper, & Enslin's outline sketch of the saw is very poor indeed. If you find germeri has on one side of each saw a great upstanding tooth or angular spine (a) about the middle of the division of each element of the saw & another smaller one just above the bay between the teeth, which ~~with the teeth~~ are themselves somewhat coarsely denticulate, it will no doubt be the same as the specimen I have dissected.

Something like this from memory a. a. a. the big teeth b. b. b. the smaller teeth near the lower edge of saw.



These teeth I believe are only ~~an~~ one side of the saw, so it is necessary to have the same side up as in the dissection ~~[illegible]~~ I shall return.

As to your Sphecodes they look to me untypical specimens & difficult. I no longer have my own series ~~of these~~ for comparison of course. I expect you are right in calling them *hyalinatus* but I shall have another look at them.

I enclose Blüthgen's table of the 4 very difficult species as he is the most critical & expert bee man living, but if *you* can get anything out of it, you beat me!

My own firm opinion is that he had mixed species under one, as I know that characters he gives for a distinguishing species are far from constant. e.g. he will give to *variegatus* some characters that are quite frequent in what are positively *affinis* & so on.

Meyer's table is very brief, but! Small *ferruginatus* are, as in other Sphecodes species, quite common.

I have scribbled this in great haste & it is probably full of errors.

Yours very truly

R. C. L. Perkins -

With RCLP's letter dated
29.1.34 L

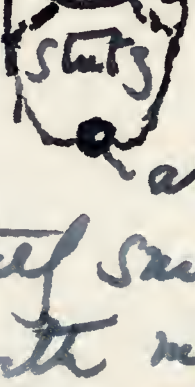
Bluthgen's table of these difficult ♀♀.

18 2nd & 3rd tergite at the sides without a dark mark. "Stutz" (i.e. the vertical posterior face of propodeum, from the petiole to the apex of the anterior area) without a sharp angled margin, the sides being rounded. Mesonotum feebly ~~not~~ finely, moderately remotely to rather closely punctured, in front more closely than on the disc. - - - - - - - - - - - - - - 19

2nd & 3rd tergite at the sides (where they meet the sternites) at the extreme base (often covered by the preceding segment) with a small dull brown or black spot. "Stutz" more or less sharply margined or at least angled, the sides not rounded. Punctures of mesonotum stronger, when ~~[illegible]~~ fine they are very remote, in front not closer than on the disc - - - - . 20.

19. Stouter & usually darker; 1st & 3rd seg. dark red. Tergites 2–4 at the base more clearly & more extensively punctured with slight rugulosity & more shining. Propodeum dull, rougher with more distinct though feebler sculpture. Wings browner. Pygidial area very narrow, reddish. 6 alar hooks; 6–8 mm - - - - *ferruginatus*

More slender & generally smaller. 1st to 3rd seg. yellowish red. Segment 2 & 3 at the base, 4 more extensively rugulose, for the rest strongly shining without or almost without punctures. "Stutz & seitenfelder" of propodeum (



) with a distinct, but moderately strong polish (or shine) the latter (i.e. 'seitenfelder') sometimes entirely smooth or with scattered & remote, fine & feeble wrinkles; the 'Stutz' with more or less remote elevations. Pygidial area as in *ferruginatus*. Alar hooks 5–6. Length 5–6 mm: . *hyalinatus*

20. Separates variegatus & affinis. ∴ (21) If from some other species (22) not necessary to consider here. ~~[illegible]~~

21. Head broader & thinner; face broader its punctures stronger & more sharply defined, the space between the ocelli & the eyes & the vertex being as a rule more densely punctured (i.e. than in affinis he does not mean more densely than the rest of face. RCLP. !!) Propodeum with coarser wrinkles, the sharp margin of the "Stutz" more strongly ~~raised~~ raised. 2nd tergite at base ~~contracted~~ depressed (not visible if the seg. is contracted) & finely rugulose & for about $\frac{1}{3}$ of the segment ~~[illegible]~~ finely but clearly punctured, 3rd tergite with the same sculpture over about half; on 2nd & 3rd also often on 1st the apical portion is bounded basally by a row of feeble punctures. Underside of flagellum of antennae rufotestaceous; inner side of front tibiae apex of tibiae & the apical tarsal joints, more rarely the metatarsi reddish yellow. Seg. 1–3 strongly red, exceptionally in very small examples reddish testaceous, with the disc more or less blackish-marked. 5 or 6 alar hooks; 5–7 mm. crassus Thoms. (variegatus von Hag.

Head narrower & so in comparison thicker; face narrower, rounder, with very fine & less definite punctuation, which on the upper part (i.e. on the vertex laterally) is moderately remote. Vertex strongly shining. Propodeum with much feebler sculpture, also the ~~circumference~~ margin of the 'Stutz' is only feebly defined. Tergite 2 at the base not depressed & here only to a very limited extent rugulose & very finely & indistinctly punctured, also on the 3rd tergite the sculpture is no stronger, but is more extended. Seg. 2 & 3 without rows of punctures.

Tarsi pale reddish yellow; seg. 1–3 yellow-red, exceptionally reddish testaceous, seg. 3 in red specimens often marked with black or occasionally entirely black; in (?dark) brown examples as a rule seg. 1 & 2 have dark brown markings; the apices of the segments generally broadly & clearly transparent yellow. 5 alar hooks. 4·5 – 5·5 mm. only occasionally larger. fasciatus V. Hag. (= affinis V. Hag.

The same species in Meyer's table.

A. Larger species. not under 8 mm. ferruginatus.
(under the name 'rufescens')

Smaller spp. not above 7.5 mm. - - B.

B. Head seen from above broad - - C

— — · narrow — — . affinis.

C. Thorax moderately densely, but feebly punctured . . hyalinatus

Thorax very remotely punctured - — — variegatus

7.6.34. Upper Dargle, Powerscourt dpk., Co. Wi. cont.

Melanna 1♂.

[illegible]

2 [illegible]

The Trypetid ? fly & 1 [illegible] [illegible].

8th June 1934. Rain came on at 7.0 A.M., owing to "jam", but it cleared about 11.0 & fine & mainly sunny till 5.0 PM.

Drove to Bray to meet J.N. Halbert, who did not turn up, so went on alone to the deerpark, Powerscourt, Co. Wi., where arrived at 11.30 & found there had been less rain there than in Dublin or Bray, yet everything dripping & no wind.

After 12, noon, a slight breeze & sun soon dried everything & collecting good for rest of day (till 6.0 PM).

[illegible] Spent day along river from "march of the logs" below the sawmill up to the "meeting of the waters", all on the floor of the deerpark.

8.6.34 contd. Powerscourt deerpark, Wi. cont

Bombus lucorum & agrorum ♀♀, very fresh, seen only.

Andrena cineraria ♀ seen at hawthorn, another very fresh one,

A. fucata ♂♂ & ♀♀ & A. jacobi ♀♀, at hawthorn.

A. albicans 1♀ seen on hawthorn.

Nomada sp. ♂♂ & ♀♀ seen, probably all or mainly ruficornis

Crabro cribrarius ♂ & 2♀♀ taken at log near sawmill & one dead ♂ swept off a birch tree: only recently dead?

Tenthredella mesomela, seen. T. temula ♂♂ on hawthorn.

Selandria serva ♀♀ in marsh. S. stramineipes ♀♀ in bracken

Strongylogaster lineolata ♀♀ in bracken.

Dolerus bimaculatus ♂♂ & ♀♀ common D. ferrugatus 1♂, 1♀ (evidently not yet properly out)

D. picipes & nigratus seen. D. haematodes 1♀ in marsh.

D. aeneus ♂♂ seen. D. black ♀? sp. sent to Benson.

Loderus vestigialis, dark legged form, ♀♀ sent to Benson.

Tri spec., small, 2 ♀♀ beaten out of oak late in afternoon. = Dineura stilata var. ♂ (R.B.B.) see remark under ♀ on p65.

Crabro cribrarius 1♂, 2♀♀ (very large) taken.

[illegible] 1♀ & ? 1♂. C. sp. 1♀.

[illegible]? 1♀.

8.6.34 cont. Powerscourt deerpark, cont.

[illegible] [illegible]? 1♀

Rhagio [illegible]? 1♀

[illegible] ?? 1♀? very small.

[illegible] [illegible]: 2♀♀; in [illegible]

Empididae 1♀. [illegible] [illegible] 1♂?

[illegible]? 1 ♀ Hemiteles? very small ♂. [illegible] 1♀

Anthomyidae 1♀? [illegible] 1♂?

[illegible] 1♀ Leptocera? 2♂♂.

Tipula [illegible] 1 red ♀. S of 3 large black ♀ [illegible]

Mesoleius? 1♂, reddish abd., resembling but smaller & more robust than [illegible]

[illegible]? 1♂. [illegible] ♂ 6 [illegible] ♀

[illegible] [illegible] 1♂. Tipula [illegible] 1♂. T. [illegible] 1♂

[illegible] (? sp.) = H. [illegible] 2♂♂ & H. "typhae" 3♂♂.

[illegible] [illegible] 3♀♀

Mesochorus? 1 very large black ♀. M. 1♂.

[illegible] [illegible] 1♀, with 29 joints antennae! [illegible] [illegible]? 1♀

Rhagio [illegible] ♀.

[illegible] ?

Empidid. 3

Stone fly [illegible] F. Flying in [illegible] of Liffey by [illegible] bridge [illegible]

Xylophagus ater (? sp.) ♂♂, ♀♀ at large, also [illegible] [illegible] [illegible] [illegible]

9th June 1934. Mainly dull, owing to conflicting E & W winds, with "fair" over hills & Dublin area. Very strong S.E.-E wind over plateau & little rain caught late 3.30 & 4.30 P.M.

Drove, with E.O'm., to Liffey Head Bridge, Co. W. 1700-1800 ft alt. & worked pools S. of bridge & river scarp above & below bridge. Few insects able to fly owing to wind & only the larger ones seen on surface of pools; [illegible] [illegible] [illegible] ♂♂ above common. Most insects "removed" from pools; a few caught amongst heather, the rest swept amongst rushes by the river (mainly above bridge). Painted Lady Butterfly seen several times!

Bombus lucorum a few ♀♀ seen: searching.

[illegible] [illegible]? 1♂, & 1♀ swept off rushes, & ?, just above bridge.

Dolichopus [illegible] 1♀ swept just above bridge.

D. [illegible] ♂♂, ♀♀ common, 1♂ taken in very small & [illegible]

Ich. vol. I [illegible]? red abd., white spotted tail, 1♂ taken at heath

" vol. II "; [illegible] [illegible] ?? " ", banded antennae, ♂♂ on pools & at heath.

" " " Hemiteles? ♂♂.

" ? 1♀

♀ like Hemiteles & very like Stenomacrus — in [illegible] [illegible] [illegible], [illegible] [illegible]) (? joints [illegible] [illegible] [illegible]

Empididae ♂♂ (3)

9.6.34 cont. Liffey Head, Co. WI cont.

Nepiera concinna ♂♂ & ♀♀ common, in pools & at birch,
worth of Campoplegid ♀ taken in sedge marsh 1 mile S.E. of bridge,
. Glypta pennicaudata ♂♂ abundant, mainly in pools; a few ♀♀
[illegible] 1♀.
Pimpla "turionellae" ? 1 large & 2 small, ♂♂.
Agrypon 1♂
Stenomacrus 1♂
[illegible] lanceolata (?) ♂♂ 2, swept on [illegible] [illegible]
Mesoleius 1♂
Aperileptus 3 ♀ swept.
Banchus [illegible] 1♀ taken.
Porizon. small black, swept.

Ap. [illegible] ? 1♀
Ap. tibialis ? 1♀
Ap. [illegible] ? 1♂

Garden, 14 Clareville Rd. Harold's Cross, Dublin.
Nearly all holes in clothes-line post occupied at 7.30 PM more made & one [illegible] or Crabro varius run into small hole. The only big hole occupied by a ♂ Megachile centuncularis; more similar & larger holes made & another ♂ of same sp. found sleeping on Ran. acris flower run into one of them.

10th June 1934. A perfect day. All sunny & too hot for many insects about mid-day.

Drove, with C.H. Allen, to Cross Keys sandpit, near Ballyjohn Bog, Co. Meath, where collected for an hour; then on to Ry. bridge over R. Boyne, 1 mile below Trim, Co. ME., where stayed till 2-20, then on to scrub on old bog road near Ballyhealy (W. of Ballivor) Co. WH., where collected till 6.30.

Sandpit at Cross Keys, Co. ME. 11.0 till 12.0 noon
Bombus lucorum, derhamellus, agrorum & muscorum ♀♀
Andrena sericea, fucata, ~~[illegible]~~, jacobi & subopaca var
Halictus rubicundus ♀♀.
Nomada marshamella, goodeniana, [illegible].
Sphecodes divisus, affinis
Crabro palmipes 1♂.
Salius fuscus 1♀.
Various common sawflies, as last year!
Also 1 small black sp. 1♂, = Priophorus padi [illegible]
[illegible] ? ♂♂ abundant at birches.
Campoplegid 1♀.

10.6.34 cont.

10.6.34 cont. Railway & river banks, old sand pit by the R. Boyne, 1 mile below Trim, Co. ME. 12.30 - 3.30 PM.

Bombus lucorum, lapidarius 1♀, agrorum & derhamellus.
Psithyrus rupestris 1♀ (Allen).
Andrena jacobi, nigroaenea 1♀ (Allen),
Nomada marshamella, ruficornis, fabriciana 1♀ (Allen)
Sphecodes affinis 1♀.
Crabro dimidiatus ♂♂
Lygaeonematus laricis ♀ ✓ RCLB 2 ♂♂; Loderus vestigialis ♀.
Tenthredella moniliata 1♀ seen on Bog-bean in pond at ry. bridge.
T. atra & T. arcuata seen; also T. mesomelas & T. livida(?).
Hemichroa 1♂; & ? 1♀ of another sp. crushed.
Mesoleius
Campoplegid 2♂♂. Exochus citripes ? ♂♂ abundant.

10.6.34 cont. Ry. E. of Trim, ME. cont.
Bracon [illegible] 1♂ B. [illegible] 1♀.
Apanteles [illegible] 1♀. Opius pygmaeator ? 1♀.
Chelonus 1, small black. Perilitus [illegible] 1 [illegible]
Procto. 1
Beetle – Malachius bipustulatus L. taken along old road verges, ry.!

10.6.34 cont. Scrub, &c., near Bellyhaly, G.W.H.
Bombus terrestris ♀♀ (1 ♀, Allen), lucorum, jonellus ♀♀.
B. hortorum ♀♀, agrorum ♀♀.
Psithyrus distinctus ♀♀, campestris v. rossiellus 1♀
P. quadricolor ♀♀.
Andrena lapponica ♀♀ not uncommon on Vaccinium.
Halictus freygessneri ♀♀. (A. wilkella ♂♂
Nomada lathburiana 1 seen.
Sphecodes hyalinatus 1♀, given to Allen, but lost.
Pemphredon lugubris & shuckardi
Crabro leucostomus, clypeatus, varius & podagricus ♂♂
the last abundant on oak, &c, N of road.
C. tibialis 1♂, given to Allen
Pompilus spissus 1♂ on oak, given to Allen.
Odynerus sinuatus ♂♂.
Dolerus niger 1♀. Selandria of temporalis ~~stramineipes~~ ? 1♀.
Athalia ♀.

10.6.34 cont. Ballyhealy, Co. WH. cont.

Exephanes hilaris, ♀ with yellow and red central segments, ♂.

Cratichneumon 1♂.

Phytodietus vulnerator?? 1♂, Cryptid, red, 1♀
= orbitator

Pimpla ? dentata ♂. P. oculatoria 1♀. P. ornata dark legged form? 1♂ 2♀♀

P. ornata? with black tibiae 1♂. P. alternans v. holmgreni ♀ 1♂, dark legs.

Glypta ... 2♂♂.

Perithous divinator 3♂♂, + ♀♀ seen. P. divinator 1♂.

Polyblastus varitarsus ? 1♂.

Orussus cingens 1.

Microplitis cf. violaceus ?? 1♂

13th June 1934. Garden, 14 Clareville Rd., Harold's Cross, Du.
Saw ♂ Hylaeus (no doubt H. communis) on window box pot with Cistus? ... ; also saw one a few evenings previously.

14th June 1934. Very hot, very damp, almost raining in afternoon & evening, drizzling to raining.

Drove with Art O'Shaughnessy to the Hill of Ward, near Athboy, Co. Meath, which he calls by its old name TLACHTGA. No rain here, but dull & very warm.

Collected along roadside, in wood on SW side of hill, & in quarry (with ponds, wood & bare banks) at NW end near foot of hill: all quite promising collecting ground.

Bombus lucorum & agrorum, about 2♀♀ each, seen.

Andrena nitida ♂♂ & very fresh ♀.

A. jacobi ♂♂ on hawthorn. Nomada goodeniana 1♀.

Pemphredon shuckardi 1♂. Crabro dimidiatus 1♂.

Dolerus aeneus? 1♂ in quarry.

Tomostethus ephippium 1 typical ♀.

Tenthredella livida & mesomelas common.

T. arcuata seen. Athalia sp. seen.

Ametastegia equiseti 1♀.

Homotropus - black ♂, with yellow face & about 14-jointed antennae!

Cryptus black ♀

Cryptids 2 red & black ♂♂

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14th June 1934 cont. Hill of Ward (Tlachtga), NE cont.

Pimpla alternans 1 fine ♀ in wood. P. turionellae ♀♀ examined.
Phytodietus 1♀ ([illegible] Pimpla [illegible]) (tree or [illegible])
Promethes pulchellus 1♂ in wood, [illegible]
Mesoleius ? black ♀ in wood. Ctenopelma? 1♂
Campoplegidae 3

[illegible] Lissonota [illegible] 1♂
Bracon [illegible] [illegible] B. [illegible]
B. [illegible]
1 Plegas spp. 3 in wood = {R. [illegible] ? 1♂. R. [illegible] ? 1♂ / R. [illegible] ♀ [illegible] 1♂}
Meteorus [illegible] 1♀. Euphorus pallidipes 1♂.
Opius pendulus? 1♂ with 19 jointed antennae. O. pygmaeator? 1♂ 1♀.
O. irregularis ? 1♂ 1♀. O. sp.? 1♂.

= eros Nixon fide Nixon 4/4/38
Dacnusa "[illegible]" 1 large ♀ (?taken in wood or grassy).
Aspilota [illegible] 1♀. Phaenocarpa [illegible] 1♂
& [illegible]

& [illegible]

Meadow Brown Butterfly first seen 1934.

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15th June 1934. A fine day, but cloudy, & windy in deerpark at Powerscourt & not many insects about after wind got up in my hat [illegible] in morning.
Deerpark Powerscourt, Co. Wi with J. N. Halbert.
Bombus agrorum & lucorum, ♀♀, alone seen.
Andrena fucata ♂♂ & ♀♀ seen. Crabro clavipes ♂
Dolerus gessneri ♂♂ & ♀♀ was abundant in "mouth of the Gap".
D. bimaculatus 1♂ & ♀ seen with last. All Dolerus and ? Tenthred.

Selandria stramineipes & [illegible], Athalia, seen.
Small [illegible] on [illegible] near waterfall. ♀ = Dusona tenuicornis ♀ var. V.R.C.L.P. in litt. 17/12/34 who adds "? as this is the ♂ [illegible] only, one of our species" (for ♂ see p. 55 ante) AWS
Ichneumon [illegible] ? ♀.
Campoplegidae? 1 red ♀

Ephialtes ♂ & ♀ taken at [illegible] wood [illegible]
1/4 mile N.E. of waterfall. [illegible] also beetles Tangeyrium [illegible] Hylecoetus dermestoides, Sinodendron & Rhagium bifasciatum, as well as the ichn. Xylonomus irrigator ♂♂ & ♀♀
Xylonomus irrigator ♂♂ & ♀♀.
Ichneumon [illegible] ♂♂ & ♀♀. [illegible] ♂ & ♀

15.6.34 cont. Deerpark, Powerscourt, Co. Wl. cont.

[illegible] ♂

[illegible]

[illegible] maculata ? 1 ♀

[illegible] [illegible] : 1 ♀

15.6.34 cont. Evening. Garden, 14 Clareville Rd., D4.
Spilomena troglodytes. Two ♂♂ taken (& another seen), as well as
a very similar looking Chalcid, on white line post
in garden at 7.30 - 8.0 PM

16.6.34. A very hot sunny day, with strong SE wind about midday, very warm in morning & evening.

Glenmore, side of Devil's Glen, Co. Wl.
11.30 till 6.30 PM. with E O'Mahony.

Bombus lucorum ♀♀, B. jonellus ♀♀, B. agrorum ♀♀
Psithyrus distinctus ♀ seen. P. campestris, took ♀♀.
Vespa (probably rufa) seen. Vespa sylvestris ? seen.
Andrena fucata ♀ seen. A. subopaca ♀♀ seen.
Halictus rubicundus, pygmaeus (?) & leucopus seen.
Hylaeus sp. ♂♂ seen in old sandpit behind garden.
Crabro leucostomus, dimidiatus, vagus ♂♂, chrysostomus ♀
Passaloecus monilicornis ♂, ♀ at stump in field
Trypoxylon seen at burnt stump near castle.
& no doubt a ♂ T. clavicerum.
Pemphredon lugubris abundant at stump in field.
Odynerus trifasciatus ♂ on edge of wood above sandpit.
Pompilus (either gibbus or spissus, or both) seen in sandpit
Bethylus fuscicornis noted by E O'M. in grass on side of avenue.

Dolerus picipes 1♂. D. nigratus 1♀.
Selandria [[illegible] ? ♀ on bracken (Pteris aq.) Not seen when labelling! AWS. 27/11/34.]
S. stramineipes common

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16.6.34 cont. Glenmore, Devil's Glen, Wl. cont.

Cryptus ? [illegible] ♂.

[illegible] 1♂ and 2♀♀ (? [illegible])

[illegible] 1♂.

[illegible] 1♀

Rhyssa persuasoria ♂♂ abundant & a few ♀♀, at fallen pine trees in woods. Many ♂♂ (at least a dozen!) seen "assembling" on dead, standing tree, about 20 feet from ground.

Ischnoceros filicornis ♀♀ com. — Xylonomus irrigator 1♀ — woods.

Pimpla (Delomerista) mandibularis ?? 1♀ — wood.

Lissonota maculata many ♀♀ at big dump — field at 1.0 PM & again at 6.20 PM.

L. sp. = small almost black var. of maculata! 1♀, I think taken with last. L. sp. 1♂ — wood.

[illegible] 2♂♂. [illegible] 1♂

Homocidus [illegible] 1♂ 1♀.

[illegible] = Acrotomus = Anisoctenion triangulatorius Grav. fide G. J. Kerrich, Sept 1950! ♀, — woods on slope of garden near river [illegible].

[illegible] ? 1 [illegible] 1♂

* [illegible]

[illegible] ? 1♀

[illegible] 1♀

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16.6.34 cont. Glenmore, Devil's Glen, Wll. cont.

Meteorus confusor or obfuscatus } ? 1♀.

Rhogas [illegible] ? 1♂.

Pygostolus sticticus ♀, [illegible] from [illegible] [illegible] pine [illegible] by [illegible].

Opius [illegible] ? 1♀.

Aspilota [illegible] 1♂ [illegible].

Argynnis aglaia ♂♂ seen many times during day, very fresh & bright.

[illegible].

17th June 1934. An almost perfect day, much hot sun, little wind (mainly SW), & some clouds.
Drove to [illegible], on Little Slaney — Glen of Imaal, Co. Wicklow. Worked up Little Slaney for a mile, then across ridge to stream flowing off Ballineddan Mt. [illegible] willow scrub at about 1200 to 1300 ft.
Little Slaney = 1, Ballineddan = 2.

Bombus agrorum ♀♀, B. lucorum ☿☿ seen

Also 1 red tailed, probably lapidarius ☿.

Andrena fucata ♀ & A. [illegible] ♂ at 1

Nomada fabriciana 1♀ at 1.

17.6.34 cont. Cvan, Glen of Imaal, cont.
Erioptera [illegible] ♂♂ at 1.
[illegible] nigropunctata ♂♂ & P. [illegible] ♂, probably gibba, at 1.
[illegible] lurida, atra, tibialis & marmorata at 1 & 2.
T. arcuata was [illegible] in bog!
[illegible] ♂♂ & ♀♀, common at 1 & 2.
Dolerus aeneus ♂♂ were
Rhogogaster viridis ♂♂ & ♀♀ very abundant at 1 & 2.
[illegible] ♀ at 1 = Empria [illegible] 1♀.
Pteronidea militaris? 1♀ at 2 on Salix.
P. hypoxantha (RCLP)? 1♂ at 2 on Salix: see R.C.L.P.'s letter dated 17.10.34.
Pachynematus [illegible] 1♀ at 2
[illegible]? 1♀ [illegible] at 1.

[illegible] albomaculatus? 1♂ [illegible] 1♀.
[illegible]? 1♂
[illegible] 1♂ C. pallicornis? 1♂, [illegible], orange [illegible] at 1 & 2.

Cryptids [illegible] ♂ [illegible] ♂
Pezomachus sp.? ♂
Pezomachus instabilis? a ♀ emerged the following month from a Campoplegid(?) cocoon found on grass by George when we had tea by the little Stream.

17.6.34 cont. Cvan, Glen of Imaal cont.
Pimpla flavicoxis ♂. P. alternans, [illegible] 1♀.
P. examinator 1♀ at 1. P. sp. (? [illegible]) 1♂, 1♀ at 1
Phytodietus [illegible] 1♂
Glypta elongata ♂ at 1. G. [illegible] 1♂ at Gorse
[illegible]? 2♀, 1♂ (? all same sp.).
[illegible] 2♂♂ | Mesoleius? 2
[illegible] ♀, 1 2♂♂. | Cryptus? 1
Homotropus pectoratorius ♂♂ & ♀♀, large form, at 1 & 2.
H. [illegible] 2♂♂, 1♀ at 2.
Bassus [illegible] 1♂ at 2. B. [illegible] 2♂♂ at 2
Promethes pulchellus ♂ in bog.
[Many [illegible], [illegible] & [illegible] at 1 & 2.]
Tryphon signator? 1♂

Stiphrosomus [illegible]? 2♂♂ 1♀.
Mesoleptus [illegible]? 1♂ 1♀. M. [illegible] 3♂♂, 1♀.

Lissonota [illegible] ♂ at 1.
Trichiosoma [illegible]? 1 at 1, 1 at 2.

17.6.34 cont. [illegible], Glen of Imaal cont.

[illegible] ? 1♀ (not T. [illegible], [illegible]).

[illegible] [illegible] [illegible] ? 1 ♂.

Campoplex ? 1 small ♂.

[illegible] 1♀. [illegible] 1♀.

[illegible] 2 small ♂♂ [illegible] — 3 small ♀♀

Apanteles [illegible] [illegible]

[illegible] [illegible] 1 ♂.

Bracon mediator 1♂; B. [illegible] 1♂; probably both at 1

Rhamnusia [illegible] ♀ at 2, under scrub.

Dacnusa [illegible] on [illegible] 1♂? 1♂ (? at [illegible]).

Garden, Harold's Cross, Dub. as before.

♂ Megachile willughbiella seen on 16.6.34 & it & several ♂ M. centuncularis nightly occupying the larger holes bored in clothes-line post; also a Chrysis (no doubt ♂?); & many Crabro varius in the smaller holes. The holes are often occupied at 5 30 PM. on my return from museum even on fine days, if not very hot & sunny.

[25.6.3. Took in Garden :- Crabro varius, small black ♂, [illegible] ♂, [illegible] ♀, Oedematopsis scabricula ♂, Hemiteles ♀, & Syrphus]

[On 27/6/34 Saw a ♀ Bombus lapidarius on Veronica at back gate, 14 Clareville Rd. The first seen here for some years, I think].

24th June 1934. A wretched day, with cold N.E-E. wind & rain from early morning, after a somewhat similar day the day before.

Intended going to Termonfeckin, with Allen, to meet Farin (of Cavan); but put Allen off & drove to Drogheda, then down N. bank of river to old sand-pit there waiting 15 minutes (11-20 – 11-35), & as no sign of Farin drove inland to New Bridge at foot of King William's Glen. Crossed river at New Bridge (into Co. Meath!) & as rain ceased, walked along tow-path of old canal to Old Bridge, very nice round on a good day.

Canal, between New & Old Bridges, Co. ME.

Acrodactyla degener ? 1♀ on underside of lime leaf.

Two Trypetidae on lime

Two weevils on lime also.

Roadside, New Bridge, where obelisk used to be, Co. LH.

1♀ Campoplegid on Elder leaf.

Left New Bridge at 2 PM. & drove home, there still raining from Balbriggan southwards!

KERRY TRIP 1934.

28th June. Left Dublin at 8.50 AM & drove via Maryborough, Roscrea, Nenagh, Limerick, Newcastle West, Castleisland, Killarney & Beaufort to Glencar, Caragh Lake, Co. Kerry (S), where arrived at 6.50. Rain off & on Roscrea then over hills, but fine on the plain especially about Limerick; Wind very strong W-NW.

Stopped for lunch at Sherbally, between Toomyvara & Nenagh, Co. N.T. but a heavy rain squall prevented any collecting.

Stopped for afternoon tea just S of Headley Bridge on Kerry side of river, where nice oak scrub, some planted Spanish Chestnut, much Euphorbia hiberna & in an old quarry on roadside a great deal of Jasione montana. Here collected for about 40 minutes. Then drove on to Killarney to speak to E. F. Bullock, then to Glencar where there had been no rain (a little mist only) all day. After supper took one Geomalacus under bark of old pine stump behind Glencar Hotel.

28.6.34 cont. Quarry on roadside, wet ditch, & oak scrub, just S of Headley Bridge, N. Kerry. 3.30 - 4.15 PM.

Bombus agrorum ☿ & ♀ at Foxglove. B. lucorum ☿ at Jasione.

Halictus fulvicornis ♀. H. villosulus 2♀♀.

Andrena minutula ♀

Andrena wilkella ♀ at Jasione. A. angustior 2♀♀ ([illegible]) at Jasione

Sphecodes [illegible] ♀ at Jasione. [illegible]

Nomada hillana ♀ at Jasione. N. ruficornis ♀ at Jasione.

N. flavoguttata 1♀ at Jasione.

Crabro dimidiatus ♂♂ abundant about quarry.

C. varius 1♂ with [illegible].

Platypalpus pedestris ? 1♂

Ichneumon primatorius 1♀ on valley side of road, in ditch.

Selandria temporalis 1♀ & [illegible]

Athalia 2♂♂

Oncophanes [illegible] 1♂

Dacnusa dimidiata 1♂ in ditch. D. areolaris ♀ in ditch.

D. striatula 1♀ in ditch.

Aphidius 1♂

Proct. 1

Alysia 1

29th June 1934 Very soft & warm, dull in forenoon but considerable & very hot sun in late afternoon & evening. Spent morning in scrub between Glencar Hotel & the Caragh River & the afternoon in woods along same river to its junction with the "Little Caragh" which drains L. Acoose. These collections labelled "Glencar" AM" & "P.M." respectively.

Scrub between Glencar Hotel & Caragh River, SK
29/6/34 11.0 AM till 1.30 PM. (= "Glencar AM.")

Andrena fucata 1♀. G. [illegible] 1♀.
Hylaeus confusus 1♀ by path down to river.
Crabro chrysostomus ♂. C. cetratus 1♂.
Passaloecus monilicornis 1♀.
Odynerus trifasciatus 1♂, at top of bank of [illegible].
Leptothorax acervorum 2♀♀ taken on stump.
Selandria 1♀.

Melanichneumon [illegible] ? 1♂.
Cryptus ? of [illegible] ?
Pimpla ? detrita ? 1♂.
Ophion [illegible] 1♂ [illegible], near [illegible] of path to river.
Trichomma [illegible] ? 1. T. [illegible] ? 1.
Anomalon [illegible] ? ♀.

29.6.34 "Glencar, SK. AM." cont.

Sagaritis ♂. Angitia ? 1♂.
Bracon ? var. of [illegible] ! 4 [illegible] ♂♂. ?B. sp. [illegible] 2♂♂, [illegible]
Apanteles 1♀
Rhogas circumscriptus 1, testaceus, ♂
Rhaesocampa [illegible] 1♂
Chalcid

River bank, scrub, marsh & woods, between Glencar Hotel & ford of the Little Caragh River, SK. 29/6/34
3.0 till 7.0 PM. (= Glencar, PM)

Andrena [illegible] ♂♂ ♀, very fresh. Crabro cetratus ♂ & ♀.
Passaloecus monilicornis 2♂♂. Salius [illegible] 1♂ on track to ford of Caragh R. just above its junction with the Little Caragh.
Tenthredella [illegible] 1♀ [illegible] marsh. Dolerus palustris ♀, [illegible].
Selandria stramineipes ? 1♀.
Platylabus [illegible] ♂ (= albimanus Grav.) [illegible] [illegible] 1♀.
[illegible] 1♀ at top of Little Caragh ! [illegible] ♀.
Xorides albitarsus 1♀ Ophion ♀.
Xylonomus irrigator ? 1 large ♀.
Pimpla [illegible] ? 1♂ 1♀. P. detrita ? 1 [illegible] ♂, 1♀, [illegible]
[illegible] 1 [illegible] [illegible] 1♂
Polyblastus 1

27.6.34 cont. Glencar, SK. PM cont.

Sapyga 1♂

Ceropales? 1♂

Bracon fulvipes 1♂. B. [illegible] 1♂ [illegible] 1♀ [illegible]

Opius 2♂♂. Aspilota 1♂ 1♀.

Spathius exarator 1♂, flying at foot of wall of the burned [illegible].

30th June 1934. A beautiful day, wind southerly, but considerable mist on mountains, which mainly spoiled view.

Climbed Carrantual, 3414 ft., via Caher, 3200 ft., starting from NE corner of Lough Acoose & keeping along southern edge of Coomloughra to Caher.

Everything dried up above 1,200 feet & except for clouds of insects on summits, practically no sign of fauna. A few Hymenoptera taken on way up, but day too hot & climb too arduous to permit any real hunting for same. Flora very meagre, Sedum rhodiola seen between Caher & Carrantual at about 3,000 ft. at head of gully. No sign of Juncus trifidus on summit, though plenty of likely rocks just on ridge from Caher summit.

On summit of Caher George saw a Myrmica & though it escaped amongst the stones a second was discovered & captured; it proved to be a ♀ of [illegible] & the other was probably [illegible] also. [illegible]

30.6.34 cont. Carrantual, &c., The Reeks, SK. cont.

Tenthredopsis nassata? – "red" ♂♂ & ♀♀ common to nearly 3,000 feet & seen on the "Reeks" at summit only. [illegible]

Athalia cordata 1♀, taken at about 3,000 ft. on Caher, & 1 seen on ridge E. of Caher.

Dolerus aeneus ♂♂ seen at about 1,700 feet, W. of Caher.

Allantus (Emphytus) calceatus 1 with last.

Pachynematus vagus 1♀ in gully at about 1,200 ft.

Ichneumon stramentarius 1♀ on ridge E. of Caher at about 3,000 ft.

Cratichneumon? ♂ at 800 ft. Glypta ceratites ♂ at 1700 ft.

Stenomacrus [illegible]? ♀ at about 1,500 ft.

Meteorus micropterus? 1♀ (? where taken).

[Spathius exarator 1♂ taken in car!]

1st July 1934. Another warm day, with sun and a gentle northerly breeze.

In morning spent a couple of hours below hotel & along Caragh River, above woods, 11.0 till 1.30 PM.

Marshes & scrub by Caragh R., above woods, Glencar, Co. SK.

Crabro elongatulus 1♀.

Tomostethus luteiventris 1♀. Athalia [illegible] ♂.

Pamphilius "similis"? 1♀.

Tryphon

Porizon Polyblastus? 1♀?

Zootrephes rufiventris 1♂. Promethes 1♂.

Mesoleius 2♂♂ 1♀, [illegible]

1st July 1934 cont.

Bracon fuscicoxis 2♂♂, 2♀♀. B. [illegible] 3♂♂.

B. [illegible] [illegible] [illegible] [illegible] ♀.

1 ♂ [illegible] Opius, but all [illegible] [illegible] & [illegible] "[illegible]" [illegible].
{? = Opius [illegible] Wesm. A.W.S. Oct 1935!

[illegible] [illegible] [illegible] [illegible] ♀♀ [illegible] [illegible] [illegible] [illegible].

[illegible] ♀ [illegible], [illegible] [illegible]?

Microgaster globata? 1♂.

Apanteles 2♂♂, 1♀ small black [illegible] [illegible] [illegible].

Chalcid 1.

1st 7. 34, afternoon. Edge of bog, drains of road & hillside, between Bohacrahill & new road to L. Doon near Glencar, Co. SK.

Ichneumon [illegible] 2 black ♂♂. I. n. sp.? — stenostigma Thom.? 1 ♂ [illegible] at small bed. [illegible] drain (?) [illegible], [illegible] last
n. sp. similis mihi (See note under date 26.7.1935. A.W.S.

Agathis anglica? 3♂♂. Apanteles, small black [illegible], 2♂♂ 1♀.

Bracon [illegible] 2♂♂ B. cf [illegible] 1♂ (possibly [illegible]?)

Pezomachus [illegible]? 1♀.

[illegible] [illegible] ♀ flying to sitting [illegible]-head.

Pimpla instigator, large ♂♂. [and a large ♀ bred on 17/7/34 from a cocoon found the day [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] which M.S.D. Westropp [illegible] [illegible] correctly, [illegible] [illegible] the Arctia caja. A.W.S.]

Exetastes [illegible] 1♂

Vespa rufa 1♀ coloured like austriaca.

(Co. SK (not NK!))

2nd July 1934. Drove George & Daisy to Gap of Dunloe, & spent three hours in glen N of Gap where Bullock got Odynerus spinipes, but no sun till after I left at 2.0 PM. Then drove to Killarney & spent aft. at 'Bullock'.

Bombus lucorum, agrorum, pratorum 1♀, muscorum 1♀ seen.

Vespa rufa seen.

Bracon [illegible] 1♀ [illegible] [illegible]

[illegible] [illegible] 1♂.

[illegible] [illegible] 1♂, 1♀.

[illegible] 1♀. [illegible] [illegible] [illegible]

[illegible] 2♂♂ [illegible] Pezomachus [illegible] 1♀

Pimpla alternans 1 large ♀.

Limneria [illegible]? many ♂♂ L. [illegible] 1♀.

[illegible] [illegible] 1

Tryphonidae 2: Polyblastus [illegible]? ♂ & [illegible] [illegible]? 1

Lissonota [illegible] 1♂

[illegible] 3 others.

Helcostes [illegible] 2♂♂.

Meteorus [illegible] 1♂

M. [illegible] ♂

Aphidius 1♂.

3rd July 1934. Another very hot & perfect day, all sunny. Drove by new road on west side of Caragh Lake, to dunes at Rossbeigh, SK, where collected till 4.30 PM. Then drove home same way & collected on shore of Caragh Lake about a mile above outlet & in woods E of Blackstones Bridge, for an hour.

Salt-marsh, with rushes, & sand-dunes, Rossbeigh, SK. 12.0 noon till 4.0 PM. Cooler, with fresh SW breeze.

[Saw growing on N side of biggest dune the fine clump of Lathyrus maritimus, which was rediscovered here a few years ago. It was in full flower & a fine sight.]

Crabro palmarius ♂♂ & ♀, others [illegible]

Megachile maritima ♂♂ & ♀♀, abundant on thistle flowers (Carduus) — dunes. Some ♂♂ very small, some ♀♀ very large.
Mellinus arvensis, ♂♂ & ♀♀.
Pompilus plumbeus ♀, others seen. Ceropales maculata ♂♂ & ♀♀.
Odynerus trimarginatus 1♀

Emphytus? [illegible]?, red ab. [illegible]? 3♂♂
Cryptus 1♀.
Glypta [illegible]? 1♂.
Atractodes sp.? 2♂♂, 1♀

3.7.34. cont. Salt-marsh & sandhills, Rossbeigh, SK. cont.
Hemiteles sp. 2 [illegible] ♂♂. H. sp.? 1♂ H. sp.? 1♀

Campoplegidae 2♂♂, 1♀.

[illegible]

Apanteles spurius? 1♀ [illegible] 1♂ & ♀♀. C. sp. ? 2♂♂.

3.7.34 cont. Fields between road & lake shore, W. of Caragh Lake, about a mile above outlet, SK.

Exetastes 1♂
[illegible] costalis 1♀
Tryphon sp. ♂. Polyblastus ♀.

Microgaster globatus ♂
Apanteles ♂
Bracon [illegible] ♂
" ♀

3.7.34. cont. 5.30 till 6.30 PM.
Bored stumps & logs, &c, along roadside, just E. of
Blackstone Bridge, Glencar, Co. SK.

Odynerus [illegible] Many ♀♀ entering [illegible] bored stumps of wood
& one taken [illegible] (♂ had appeared but a [illegible]).
Pompilus nigerrimus ♂ at rotten log.
[illegible] calipes ♀ at bored stump.
Hemiteles 1♂, 2♀♀, [illegible], on bored tree trunk, on roadside.
H. ♂♂, smaller than last, ? on same tree.
H. ♂, yellow species?
Ephialtes

Perithous varius 1♀ at bored stump.

Bassus varius ♂.

Euphorus pallipes 2♂♂.
Chelonus dispar 1♂.

[Crabro cavifrons ♀ taken in glass porch of Glencar Hotel on evening
of 3.7.34.]

4th July 1934. Another very hot day! All sunny.
Collected a few insects by L. Acoose & its outlet
stream (i.e. "The little Caragh"), Glencar, SK, in forenoon.
[illegible] 1♂. [illegible]
Glypta elongata ♂. [illegible] ♀ at tree trunk [illegible]
Meteorus ♀ Campoplex [illegible]
Hemiteles ♂♂ 2 ♂♂ [illegible]
[illegible] ♂. [illegible]
[illegible] ♀
[illegible] ♂, [illegible], large head & long the antennae, glabrous thorax, &c.
Platygaster 4 or so (♂ & ♀♀.)
Proct[illegible] [illegible]

4.7.34 cont. In afternoon, 4.0 till 6.30 PM
again went to Blackstone Bridge & collected at
bored stumps, &c, by roadside E of bridge as on previous
day & also at stumps, &c; above the bridge where the
bridge over the Little Caragh is, as on the aft. of 29.6.34.
Blackstone, Glencar, SK.
Pemphredon lugubris 1♀
Passaloecus monilicornis 2♂♂
Pompilus nigerrimus 1♂.
Tenthredella livida, black ♀.

4. 7. 34 cont. Blackstone, Glencar, SK cont.

Rhogogaster ? 3♂♂ [illegible].
Hemiteles rufipes ?? ♀♀ at stump.
" crassicornis ?? 1♀, at bored stump!
" [illegible] ?? 1♀. H. [illegible] 1♀
[illegible] ♀ ([illegible]). H. sp. ♂.
Dendrosoter [illegible] 2♀♀ at stump. Crabro cephalotes — 1♀.

Xorides albitarsus ? 1♀. Ischnoceros filicornis ♂.
[illegible] 2♀♀
Ephialtes

Lissonota [illegible] ♀ on stump.
Perithous varius 1♀ at stump. P. mediator 1♂.

Campoplex [illegible] ♀. Sagaritis 1♂.

Bracon fulvipes 1♂
Opius of [illegible] 1♀.

5th July 1934. Another perfect & very hot day, but a few clouds.
Walked from NE. corner of L. Acoose to Coomloughra, below Caher & Carrantuohil. Alt. of lake just below 1,500 feet.
Collected a few ich. from 1,000 feet upwards, but most taken above 1,300. Large ♂♂ all taken amongst rushes along edge of small "lake" on edge of "coum": here also took the two Dolerus.
Bombus lucorum, agrorum & 1♀ of hortorum, only, seen.
Selandria serva ? 1♀.
Dolerus palustris 1♀ swept amongst rushes & Equisetum limosum on N shore of lowest "tarn". D. aeneus ? 1♀ swept with last.
Ichneumon 1♂ on shore of tarn, at inlet.
Amblyteles palliatorius ? ♂♂ amongst rushes on N shore of tarn.
Hemiteles 1♂. [illegible] ♂
Exyston cinctulus 1♂. Perilissus filicornis 1♀.
Mesochorus 2♀♀. Campoplex 2 [illegible].

6th July 1934. The hottest day so far. All sunny.
Drove to Blackstone bridge & collected from 11.30 till 1.0 P.M. at stumps between that & the 1st bridge over the Little Caragh. Then drove on to Caragh Lake & collected along shore at oakwood near, & on, O'Donoghue's Island, on west side of lake.

Stumps & logs, &c between Blackstone Bridge & the "Little Caragh" first bridge, Glencar, Co. S.K.
11.30 till 1.0 PM

Crabro [illegible] ♀ Nomada obtusifrons ♂

Melanichneumon [illegible] ♂

Pimpla sp. detrita ♂

Hemiteles sordipes? 1♀ on stump.

[illegible] 1♀ at stump.

Xorides albitarsus? 1♂, 2♀♀ at stump

Xylonomus irrigator? 1♀ at stump

(The 2♀ Chalcids on opposite page named — 1939 by Ferrière, are Eupelmus urozonus Dlm. A.W.S. 25/3/39

6.7.34. AM. Blackstone, S.K. contd.

Ephialtes

Lissonota deminuens (?) 2♂♂ & 3♀♀, both at stump.

Spathius exarator, large ♀, at stump; also smaller, one, 1♀.

Oakwood, lake shore, roadside & marsh, on & just S. of O'Donoghue's Island, Caragh Lake, Co. S.K. 1.30 till 5.30 P.M.

Bombus agrorum & lucorum seen.

Andrena fucata ♀ seen. Halictus rubicundus ♀♀ seen.

Nomada [illegible] ♀♀ seen, & taken.

Sphecodes 1♀ taken at roadside.

Hylaeus (confusus ?) 1♀ seen on bramble on roadside.

Crabro cavifrons ♂ at Ivy. Passaloecus monilicornis? 1♀.

Dolerus palustris ♂ swept in marsh. Cratichneumon fabricator? ♂ & ♀

Cryptus (= [illegible]?) ♀. Pimpla sp. detrita ♂
Lissonota deminuens ♂♂ ♀♀ at stumps. L. [illegible] ♀. [illegible]
Mesoleius 1♂. M. [illegible] 1♂. [illegible] 1♀

Chelonus sulcipes 1♂. ← → Chalcids 2 large ♀♀ at stump.

Hygrophila? [illegible] 1♀ swept on edge of lake & marsh among mint, &c.

Donacia crassipes on White Waterlily leaves in bay inside island.

7th July 1934. Another all sunny & very hot day
Went to Blackstone Bridge & collected at stumps, &
between that & the Little Caragh foot-bridge from
11.30 till 4.0 PM. Lasius fuliginosus ☿☿ swarm about foot bridge.
Bombus lucorum, lucorum ☿ & sylvarum seen.
Crabro cribrarius abundant at logs & stumps, 1 ♀ Crabro
C. varius 1 ♀. C. tibialis 1 ♀, C. elongatulus 1 ♂
Passaloecus monilicornis 1 ♂ Salius exaltatus 1 ♂ 1 ♀, by the little Caragh [illegible]
Foenus affectator ♀ at bored stump of [illegible]. [illegible]
Orthopelma rufa ♀. [illegible] 1 ♂
Melanichneumon perscrutator ♂. Coelichneumon comitator 1 ♂
Leptocryptus claviger ♀♀ at stump. Hemiteles [illegible] 2 ♀♀ at stump.
Pimpla [illegible] 1 ♂ P. [illegible] 1 ♀ [illegible] 1 ♀.
Ischnoceros [illegible] ♀. Perithous mediator 2 ♀♀ & [illegible] 1 ♀.
Lissonota dorsalis {[illegible] many ♀♀, taken at bored stumps, with [illegible] [illegible] not typical [illegible]} L. [illegible] 1 ♀
Ephialtes

[illegible] at Ephialtes [illegible]

Spathius exarator ♂ & ♀ on bored stump near footbridge
Chelonus [illegible] 2 ♂♀ roadside, [illegible] N of road.
[illegible] on [illegible] stumps.
= Trigonoderus princeps Westw. ♀♀, fide Ferrière 1939. A.W.S.

7.7.34. At 4.0 PM drove back to L. Acoose & stayed
until 5.30, but did not collect. Saw one ♀
Bombus jonellus on flowers of Erica tetralix!

8th July 1934. Another blazing day!
Drove to Lough Nakirka, one of the "Red Lakes", a few
miles N of Glencar, on the old road to Caragh Lake, &
walked a mile to west of road where there is a remnant
of an old oak-wood, now nearly oakless & with the hollies
barked by cattle, goats or deer (? which) & the birches
also in a decayed state. Too hot to do any serious
work, but collected in wood from 1.0 till 5.0 PM.

Wood by outlet stream from Lough Nakirka,
N of Glencar, Co. Kerry. 1.0 till 5.0 PM.

Several Bombi [illegible], B. sylvarum seen.
Crabro ~~[illegible]~~ clavipes very abundant at bored stumps.
C. styrius 1 ♀ on oak. C. cribrarius 1 ♂
Pemphredon lugubris 1 ♂
Cratichneumon rufifrons 1 ♂ Amblyteles uniguttatus var.? 1 ♂, white scutellum
Hemiteles [illegible] ? 1 ♀
Hemiteles [illegible] ? 1 ♀. Leptocryptus [illegible] 1 ♀ Cryptus [illegible].
Ephialtes [illegible] 1 fine ♀ taken egglaying on willow stump
[Callichirus [illegible] ? One only slender ♀ seen & missed like the [illegible]]
Pimpla elegans 1 ♀, P. [illegible] 1 ♀. P. [illegible] ? 1 ♀.

8.7.34 cont. L. [illegible], Co. SK cont.

Lissonota [illegible] 2♀♀ L. [illegible] 1♀. L. [illegible] 2♂♂

Mesoleius sp. (? [illegible] or [illegible]) 1♀ Polyblastus ? sp. [illegible] 1♂

Hemiteles 1♂

Plectiscus 1♂ (= Proclitus?)

Diaparsis capitata? 1♀.

capitata ♂

Ephedrus ♂

Atractodes [illegible] 1♂ Stenomacrus [illegible] 1♀. Selandria morio 3♂♂
(1 seen by R.C.L.P. 13.2.35!)

8th July 1934 cont. Evening.

A few insects collected in the window in glass porch" of hotel, Glencar, Co. SK. 8.0 to 9.0 PM.

Spilomena troglodytes 1♀. Crabro chrysostomus 1♀ (released)

Vespa vulgaris ♀♀ (released)

Bombus hortorum ♀ & B. lucorum ♀♀ (released), B. jonellus 1 [illegible] ♀.

Hemiteles sp. 2♀♀, red abdomen

Procto

9th July 1934. A still hotter, blazing, day!

Did not go out till after early tea, i.e. about 7.0 PM. Then drove to Blackstones Bridge, & with George's help, spent 2 hours collecting Ephialtes &c at the logs & bored holly stumps by the foot bridge over the Little Caragh & in woods between that & Blackstones.

Bombus lucorum & agrorum still at work at 9.0 PM.

Vespa sylvestris seen.

Crabro cetratus very abundant & still working at 9 PM.

Cryptus [illegible] 1 large ♂ [illegible] not [illegible]

Hemiteles 2♂♂. H. [illegible] ? 1♀ on stump

Leptocryptus [illegible] 1♀ at stump.

Ephialtes many ♀♀ with very long [illegible]

" " " not so long [illegible]

" 1♀ (George) [illegible]

Xorides albitarsus 2♀♀ at holly

Xylonomus [illegible] 1 large ♀ [illegible] at stumps.

Clystopyga incitator 1 large ♀ (George), at stump.

Lissonota [illegible] many ♀♀ on stumps.

Spathius exarator 3♀♀. [illegible]

10th July 1934. A similar day.

Did not go out till after tea, about 6 PM., then went to Blackstone Bridge & with George, half cleared up the strip between that & the Little Caragh. Glencar, S.K.

Taken in glass porch of Glencar Hotel, 10.7.34
Rhyssa persuasoria 1♀
Mesoleius 1♀
Hemiteles ? 1♂, red legs, black point.

[illegible] [illegible] ♀
Tenthredella [illegible] ♀
[illegible]

[illegible] [illegible] 3♀♀ at strip.
[illegible] [illegible] 1♀ [illegible]
[illegible] [illegible] 1♀ at strip.

Hemiteles [illegible] ? 1♀ at strip
[illegible] [illegible] 1♀ at strip
[illegible] ? 1 Polysphincta [illegible] 1
[illegible] ? 1♂

[illegible] [illegible] 1♂

[George & Granny took a number of [illegible] [illegible] on leaf of White Waterlily in Caragh River, below Glencar Hotel, about 10 P.M. on 10/7/34 as well as many specimens of Donacia crassipes!]

11th July 1934. Not so hot, & a few showers about in afternoon, thundery looking, & later a little rain.

Went again to Blackstone bridge & worked up to the Little Caragh, as before. 12 noon till 4.0 PM.

Bombus lucorum, agrorum & hortorum seen.
Vespa rufa & vulgaris, ♀♀ & ☿ of former, seen.
Salius notatulus, very red at base, taken by George.
Crabro [illegible] 1♀ at Salix on left bank of Little Caragh just below foot-bridge.
C. cetratus abundant. C. elongatulus seen.
C. clavipes frequented strip.
Pemphredon lugubris ♀♀ seen, but only a few.
Andrena coitana ♂♂ seen.
Hylaeus confusus, small ♂.

Tenthredo arcuata 1♀ seen, one only.
Tenthredella livida ♀ seen.
Athalia seen. Selandria serva 1♀. Scolioneura betuleti, 1♀ fide RCLP. 13.2.35.

Platylabus [illegible] ? 2♂♂. [illegible] sp.? smaller & [illegible] [illegible]

[illegible] [illegible] ? 1♀. Leptocryptus claviger 2♀♀.
Hemiteles ? 1♀.

11.7.34 cont. Blackstone, Glencar, SK cont.

[illegible]

[illegible] 40 ♂♂, 2 ♀♀ [illegible]. [illegible] [illegible] 1♂ 1 ♀.

[illegible] [illegible] 1♀. [illegible] [illegible] 1♂ ♀. [illegible] 1♂.

[illegible] [illegible] 3 ♀♀. L. [illegible] 1 ♀

[illegible] [illegible]

[illegible] [illegible] 1 ♀

[illegible] 2♂♂ [illegible] 1♂

[illegible] [illegible] 1♀ M. [illegible] ♀ [illegible] 2♂♂

[illegible] [illegible] 1 ♀

[illegible] [illegible] 1 ♀ [illegible] [illegible], 3 ♀♀ [illegible] ([illegible])

[illegible] [illegible] 1 ♀ [illegible] [illegible] 1 ♀ (33 [illegible])

Alysia tipulae 1 ♀.

2 [illegible].

11.7.34 cont.

At 4.30 PM drove on to Drumbrean, W of [illegible] R, but saw little. A few things collected only, but a very fine old wood, with the [illegible] not cut out.

Drumbrean, Glencar valley, Co. SK.

[illegible] [illegible] ♂♂♂, ♀♀ common in [illegible] in wood.

[illegible] [illegible] 1♂.

[illegible] 1 ♀

and [illegible] 1 ♀.

[illegible] [illegible] 1 ♀.

Diptera :— [illegible].

12th July 1934. Barometer having fallen a little for two days the morning opened cloudy & misty rain came on as we left Glencar & drove along W side of Caragh Lake to Glenbeigh & all the hills were shrouded in mist. Stopped for lunch at beautiful wooded glen at Gleensk Ry. viaduct, where stream tumbles down through gorge into the sea, the lower part apparently cut through boulder clay, suggesting a recent uplift of the coast by about 100 feet. Then drove on via Cahirciveen to Waterville & Derrynane. Stopped for tea on roadside, S. of Waterville, overlooking Ballinskelligs Bay — beautiful view to the Gt. Skellig, but country very bare & dry with drought. Arrived at Derrynane about 5.0 P.M. [Road S. of Cahirciveen terrible but from Waterville to Derrynane very good.]

Glen at Gleensk Viaduct, N. of [illegible], Co. SK.
1.0 – 2.0 PM. Everything very wet after rain.

Pachyprotasis antennata 1♀

[illegible] [illegible] 1♂ taken others seen.

Lissonota ♀♀ seen at stump, but not taken

Microgaster 1♂

12.7.34 cont. Evening. 5.0 – 7.0 PM

Marsh behind dunes, close to Derrynane Hotel,
Derrynane, Co. SK.

Bombus agrorum, also on Lapidarius on [illegible]

[Pompilus gibbus 1♀ in sandy clay of cliff near hotel.]

[illegible]

Glypta elongata ♀ 1 [illegible] ♀.

Pimpla [illegible] 1♂.

Promethes dorsalis ♀, 1 [illegible] ♂.

Cremastus infirmus ♀ 1♀.

[illegible] ([illegible]) [illegible] ♀ 1♀. [illegible]

"Microgaster" [illegible] 1♀ [illegible] [given to Nixon 17.8.34 AWS.]

M. 1♂. Apanteles infirmus 1♀. G [illegible] 1♂.

13th July 1934. After heavy downpour at night many showers in forenoon, getting lighter & the afternoon fairly fine, some sun. Spent morning clearing off arrears, but in afternoon, 4.30 till 7.0 P.M. walked across sands to Abbey Island, Derrynane, where Simethis bicolor plentiful & just going out of flower. Swept some marshy bits, but too strong (W–NW) for much to be out.

Bombus agrorum a few ♀♀ & ☿☿ seen.

Agenia variegata a fine ♀ swept in marsh just NW of ruined church: the most extraordinary place to take this species & the last I would have expected it to turn up in such a place on such a day. She was no doubt spider-hunting!

Cryptus ♂

Pimpla brevicornis [illegible]

Mesoleius — 1 ♀ red [illegible]

Bracon [illegible] 2♂ 1♀

[illegible] ♂

14th July 1934. A fine day, but many cloudy spells & high NW wind rather chilly.

12.0 noon till 1.30 PM Lord Adare's wood behind Hotel, Derrynane, but these largely spoilted by imported plants, e.g. Rhododendron, being run wild. Labelled "Derrynane woods"

Bombus agrorum & hortorum seen.

Vespa rufa ♀♀ & ☿☿ seen, 1 ♀ examined.

Andrena sp.? seen near lodge.

Halictus freygessneri fresh ♂♂ with Cent.

Pemphredon lugubris ♀♀ seen at old log, where also a ♀ Crabro cryptus? taken investigating hole.

Athalia cordata? 2 ♂♂. 1 larger ♂ Athalia [illegible] 1 ♀.

Ichneumon insidiosus? ♂ Cratichneumon pallifrons? 1 ♂ [illegible]

Exetastes? 2 ♂♂. Cratichneumon fabricator? 1 ♀, at burrow of P. lugubris, as above

Cryptinae, red, 1 ♂, 1 ♀.

Hemiteles 1 ♀ with many [illegible]

Chorinaeus funebris 1 ♂. Cryptus? 1 ♀, [illegible]

Campoletis 1 ♀. Aphidius 1 ♂

Proctos 3

Cynipid 1

14. 7. 34 cont. Afternoon. 2.30 – 7.0 PM.
Had two spells in marsh & edge of woods behind the dunes, & east of Derrynane Hotel. Some sun but chilly wind.

Bombus agrorum & B. lapidarius 1♀, & several ☿☿, most of the latter at flowers of Sea Holly.
Psithyrus rupestris 1♀ seen in woods.
Halictus freygessneri & albipes ♂♂, very fresh.
Hylaeus confusus? 1♀ by wall on edge of dunes.
Vespa rufa ♀ seen.
Pompilus plumbeus ♂♂ & ♀♀ seen, but few, on dunes.
Myrmica laevinodis, ☿ examined. Formica fusca seen.
Lasius niger common.

Tenthredella mesomela? 1 typical ♂, 1 black bodied ♀.
Tenthredo [illegible] 1 highly coloured ♀. Dolerus palustris 1♀
[illegible] 1♀ [illegible] 1♀
Cryptus 2 ♂♂.
Pimpla instigator 1 ♂, small ♂ with pale yellow stigma.
Glypta elongata? 1♀. Exetastes [illegible] 1♂.
Meloboris 1♂, 3♀♀
[illegible] 1♂♀ Helictes 1♂. [illegible] 1♂
Hygroplitis russatus 2♀♀ in minty place in marsh.
Apanteles 1♂ 2♀♀, [illegible]

List of Aculeates taken in

CK.

[illegible] as usual [illegible]
[illegible] of marsh)
1♂
♂, 1♀♀
[illegible] all day
[illegible] walked
[illegible] wood &
[illegible] ♀♀
on [illegible]

4, THURLESTONE ROAD,
NEWTON ABBOT,
DEVON.
13.ii.35.

Dear Stelfox,

Your box arrived by last post yesterday, so that I was only able to look through them in a poor light at 5 p.m., but I made them out correctly so far as I can see after a careful examination this morning.

Crosswise left to right as they now stand they are:

Sheen R. Co. SK. AWS. 17.7.34.

1st row. Nomada rufipes ordinary black ♀ I took one ♀ half this size only last year – the smallest I ever saw! Crabro (pubescens) nigrita ♂. Sheen R. Co. SK. AWS. 17.7.34. (Kohl doubted whether the old name nigrita really referred to this species, but I think it does) Selandria morio. ♂ L. Nakirka Co. SK. AWS. 8.7.34. Scolioneura betuleti Kl – Blackstones, Co. SK. AWS. 11.7.34. (betulae Zadd. & betuleti Kl. I do not distinguish as they seem only to differ in the colour of wings: 'blackish infuscate' & 'light greyish infuscate'. Too subtle for me as a specific character! & I forget which name has priority.

2nd row. Pamphilius pallipes ♀ var. Annagh L., Belturbet Co. CV. R.C. Faris 7.6.34. Pteronidea segmentaria Window, A. Farrinseer, Co. CV. R.C. Faris. 22-6-34.
Pristiphora pallipes ♀. Harold's + Co. DU. AWS. 16-8-34.

3rd row. Poecilostoma (Empria) abdominalis, – Abbey Isl. Darrynane, Co. SK. AWS. 21-7-34. P.M. Emphytus carpini ♂. – Darrynane Co. SK. AWS. 16-7-34.

13. II. 35.

4, THURLESTONE ROAD,
NEWTON ABBOT,
DEVON.

Notes. Theoretically N. rufipes ought to be par. on one of the [illegible] tarsata group, like its allies & it is curious that it should (at least normally) have transferred its attacks to the fuscipes-denticulata group. A closely allied species occurs on the Continent with Andrena nitidiuscula & might possibly be in S. England. That Andrena, as you know, is closely allied to chrysosceles & is ~~the~~ one of the group with ♂ yellow clypeus, though unfortunately itself has a black one!

Your pubescens ♂ sculpture I take to be pathological, otherwise it would make a new race or subsp.! It is ~~otherwise~~ in other respects like many I have seen, though the species is variable & Morice called some pubescens Shuckard & some inermis Th.

The Pamphilius, like others I have seen, does not run out well in Enslin, but I take it to be a submelanic var. of pallipes, ~~expt~~ unless you caught it in a birch-less locality! It is quite likely that Br. pallipes are more or less racially distinct from the Continental.

Emphytus carpini Morice & Enslin were very weak on the ♂♂ of these, as Br. carpini ♂♂ do not (at least as a rule) have white tegulae! & Enslin's general descriptions of these Emphytus are very ~~weak~~ insufficient. Tener & carpini ♂♂ were habitually mixed by Morice & I have no specimens for actual comparison, but the 3rd ant. joint of carpini is less stout & different from that of tener & (as Enslin says) the latter has practically simple, carpini & pallipes more or less ~~bifid~~ bifid claws.

3.

13.2.35.

4, THURLESTONE ROAD,
NEWTON ABBOT,
DEVON.

I have not seen a ♂ of pallipes, as it is normally parthenogenetic, & I only once heard of a ♂ — one bred by Peacock after numerous generations I think, when he was working on the species.

I am returning your box herewith, as though I cant get to the P.O. myself, there being no one except myself & wife at home, I have an opportunity of sending it there by another person. Richard is photo-ing ships at Portsmouth to-day & our servant is off duty this afternoon.

I sent back Miss Cheesman's New Hebrides Halicti yesterday. I could only make them into 6 species & did not describe them, but merely sent her on some of my notes for her to do so. They are quite nice things, all of the same group as the Fiji & Samoan forms, but distinct as species. I doubt whether any of them have been previously described. They might be identical with spp. from New Caledonia, if any are described thence, but I cannot look into this from here. In haste & with kind regards

Yours very truly

R.C.L. Perkins

Sawflies named by R.C.L. Perkins; with letter dated 17.9.34.

1/

Fenella nigrita Westw. ♀. near Cornaher L., WH EO'M (with ANS) 3.7.33

Blennocampa pusilla Kl. ♂ Termonfeckin, LH. ANS 9.7.33.

Pachynematus sp. } 2♂♂ Bunduff, SL. ANS. 11.8.33 Probably the form I have called 'umbripennis' with doubt.
do. do } and Boan, Co. WI. ANS. 25.6.33.

Our British specimens of the clitellatus group will rarely run down with any certainty in Enslin's tables & the whole lot want special collection & breeding & then total revision. I have seen many ♂♂ just like these. Enslin says umbripennis ♂ has the costa 'brownish', & that of diaphanus clear yellow ~~&~~ [illegible] with clear-hyaline wings, but this does not agree with my naming of Br. specimens.

Selandria fürstenbergensis Kon. ♂ Powerscourt Deerpk, Co. WI ~~ANS~~ EO'M 30.5.33 I don't remember whether you sent this before, but I once had an Irish specimen sent me, I think, by some one else. It would be in the Oxford mus.

Fenusella pygmaea Kl. ♀ Kilkea Park, Athy, Co. KD. ANS (~~and EOM~~) 26.6.33

Monophadnus pallescens (albipes) small
Travallua, Co. SL. 29.7.33 ANS.
do ♀ large S. of Athy, Co. KD. ANS. 21.5.33.
} I see no difference of note in these except size & that the smaller specimen has the antennae pallid apically.

Pristiphora fulvipes Fall. imperfect ♀. Carton, Balnullet, WM EO'M 5.9.33.

Empria perla Kl. Travallua, Co. SL. 26.7.33.

Priophorus tener ♀. Finner, Bundoran, Co. ED. ANS. 10.8.33.

Heptamelus ochroleucus Hal. ♀ Shriff Wood, L. Gill, Co. LE. ANS. 5.8.33.

Andrena subopaca ♀ Kilcullen, Co. WI, J.N. Halbert. (? ANS)

Pteronidea ribesii ~~♀~~ ♂ (starved) Miss Scott. Glencree, WI. 12.5.33

P.T.O.

Trichiocampus sp. ♂ Miss Scott. 2 Bohernabreena, Du. 26.5.33.

This is the Tr. which I indicated as new in my tables & collection & I think Benson has now described it, but I cannot refer to the literature at present. No doubt you will know of his paper, if it is described.

Lygaeonematus laricis ♀ (bad specimen for determination !) Miss Scott Bohernabreena Du. 26.5.33.

Pristiphora pallidiventris Fall. var. haemorrhoidalis Enslin ♀. (bad for determination) Miss Scott. Head of Powerscourt Dpk. (Old [illegible] Rd) Co Wi. 19.5.33.

Pachynematus sp. ♀. Like ♀♀ I have caught of the clitellatus group. Specimens like yours but with paler 9th tergite have been generally referred to apicalis. Some with more strongly punctate mesopleura run more or less to moerens, but the whole matter of these Pachynemati is most uncertain. Miss Scott. Same loc. & det. as last. i.e. P. Dpk. Wi. 19.5.33.

Pteronidea sp. This looks to me like the species described rather recently by Benson from my material. I forget the name, but I think he used a name I proposed in my M.S. table. probably P. leionota. No doubt you have his paper & could compare this insect. Miss Scott. Swept off Salix, Glencree, Wi. 12.5.33.

Pontania leucapsis Tisch. ♀ Miss Scott Glencree, Wi. 14.5.33.

Nematinus ♀ Glenageary, Du. J. N. Halbert. 14.6.34.

Specimen on ~~pith~~ white mount is one of those forms intermediate between luteus & bilineatus & itself with curious colour characters. Enslin says the species of this genus interbreed. There may be something more known since Enslin, but I have not the later literature on sawflies.

Keep this list till you get the box
The bees have names
under loc. labels

4, THURLESTONE ROAD,
NEWTON ABBOT,
DEVON.

17. XII. 34

Dear Stelfox,

I packed up your box of sawflies to-day, but our P.O. is already so crowded with parcels &c for Christmas that I don't think I will send it till after the 25th.

Although I have not really decisively named several things, this is because they belong to groups of species which are in a quite unsatisfactory condition, where the limits ~~of~~ between species & varieties are quite uncertain. This seems to me particularly so in the Pachyn. clitellatus group. I bred ♀♀ of clitellatus on different occasions from Carices, but the ♂♂ were always what Enslin calls xanthocarpus, though they belonged of course to the above-named ♀♀. That there are several Br. species in this clitellatus group I feel sure, but they need very special working at & breeding. The Amauronematus — might almost as well be considered a Pteronidea! — is the best thing in the box, I think, & I can hardly doubt that it is the tunicatus of my collection.

P.T.O.

Here is the list!

1st row (across)

R.C. Faris. 198. Sandpit, Arra Rd. Co. CV. 4.6.33.

Pachynematus ♂ of clitellatus group. in my M.S. tables given as sp? (under heading 5). [Morice named such specimens [illegible] clitellatus simply on the colour of the tegulae. The fovea or impression in the process of 8th tergite is the real important structure in this form & has not been noticed by Enslin or others. Its ♀ is probably some thing at present included under clitellatus ♀] 2 ♂ Blennocampa tenuicornis, — Raheen, WI. 14.5.34. ✓✓ 2 ♀ of clitellatus group — Salt marsh, Youghal, EC. J.N. Halbert Aug. 1933. [the first would run to clitellatus in Enslin, the second to diaphanus! but they easily might be ~~one~~ vars of one species] Blennocampa pusilla ♂, — Kilcurry, CW. 21.5.34. ✓ Cladius pectinicornis ♀, Slade of Saggart, Du. 6.6.34. ✓

2nd row across.

Pristiphora geniculata ♀, — on Mt. ash! above fall, Powerscourt Dpk. WI. 7.6.34. ✓ Sphec. variegatus ♂, — English! Amauronem. tunicatus ♀ — Clara, WI. 22.4.34. ✓ of my list [Enslin says mesonotum 'finely & not densely punctured' with which I don't agree] Platycampus luridiventris ♂, — Powerscourt Dpk. 8.6.34. ✓✓ Dineura stilata ♂ — Powerscourt Dpk. 8.6.34. ✓✓ var. D. testaceipes ♀ var. — Powerscourt Dpk. 15.6.34. ✓✓ [? are these more than colour vars of a single species]

3rd row:

Priophorus padi ♂, — Cronkey, ME. 10.6.34. 2 Lygaeon. laricis ♂, — Trim, ME. 10.6.34. ✓ Selandria temporalis ♀, — S. of Headly Bridge, Co. NK. 28.6.34 ✓✓ Pteronidea hypoxantha ♂, — Coan, Glen of Imaal, WI. 17.6.34 I think, — difficult without specimens for comparison — Pteronidea ferruginea var. ♂ Looks to me like other small bred specimens I have had of this. Not the least like any polyspila I ever saw, & I could not have named it so, I am sure. Probably has been some mix up of specimens.

4, THURLESTONE ROAD,
NEWTON ABBOT,
DEVON.

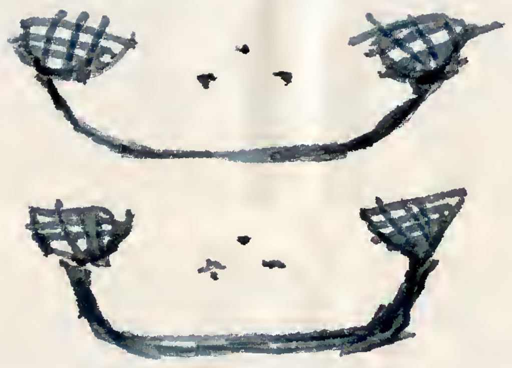
I have put the following in your box, as they may be useful for reference.

Sph. {pellucidus / pilifrons ♀ after hibern^n. {divisus / similis ♀ quite freshly out.

Note the long white hairs of head, mesonotum & scape of antennae of the first, the effaced frontal angles, usually distinct in divisus, but vy variable in development in this.

The head of pilifrons is wider & the temples vy different.

Vertex of Head from above of pellucidus



diagrams from memory.

Vertex of Head above of divisus

The difference in the head is unfailing. Saunders named many big divisus as pellucidus.

S. puncticeps ♂ small melanic, Bedford.
" red-bodied Dorset
♀ no special loc.

S. fasciatus (affinis) ♂ showing small genitalia. Bedford.

miniatus (dimidiatus) ♂ showing large development of lacinia of genitalia
Bedford specimen.

miniatus ♀ German. Meyer's coll. Meyer considered miniatus & dimidiatus distinct, but Blüthgen examined V. Hagen's actual types & considered them identical. (miniatus is prior name in V. Hag. so is fasciatus V. Hag. prior to affinis, which is a synonym)

4

4, THURLESTONE ROAD,
NEWTON ABBOT,
DEVON.

I also put in 1 ♂ *German* *niger* collected by Nix on & given me. It is not very good, but may interest you ~~[illegible]~~, as I have only ~~been~~ seen about half a dozen British in all. It is not considered very common abroad either.

I have not ~~[illegible]~~ myself, so far as I can remember, used the names *fasciatus* & *miniatus* for our two little *Sphecodes* in print, but Blüthgen naturally has.

The merest glance at the relatively large lacinia of ♂ *miniatus* will at once distinguish it from ~~[illegible]~~ *fasciatus*. External characters are very poor. Chambers sent me a dozen or more ♂ Sph. supposed by him to be *dimidiatus*, but only *2* were so. I picked these out *correctly* *before* examining the genitalia, how I know not. The mesonotal punctures of the one are much denser & stronger than in the other. ~~[illegible]~~ Similar variation occurs in (variegatus) crassus Th. The ♀ of the latter is sometimes almost like *miniatus*, sometimes like *fasciatus* & I can send you nothing at present that would help in distinguishing this sex.

I have scribbled this in great haste & hope I have made no errors & that it is legible! With kindest regards & best wishes for the season

Yrs very truly
R. C. L. Perkins.

List of Aculeata taken in West Galway, Aug. 1934, by J. N. Halbert.

Ceropales maculatus ♀. L. Maumeen, near Roundstone. 19.8.34.

Pompilus nigerrimus ♀. L. Rannaghaun, near Roundstone. 23.8.34.

Nomada obtusifrons 2 ♀♀. Ballinaboy L. 21.8 & Faul L. & marsh, 22.8.34. Clifden.

Halictus albipes ♂♂. L. Rannaghaun: 23.8; Clifden: 20.8; Ballinaboy L., Clifden, 21.8; L. Faul & marsh, 22.8; & ♀♀ at Ballynahinch, 24.8.34.

H. calceatus, ♂. "Rock Glen," Clifden, 21.8.34;

H. freygessneri ♂♂. Clifden, 20.8.34; 2 in "marshy ground around lake, Clifden," 30.8.34.

Saorstát Éireann

Telephone No. :—
Dublin 62286.

ÁRD-MHÚSAEUM NA h-ÉIREANN
(National Museum of Ireland),

SRÁID CHILL DARA
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),..19.....

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BAILE ÁTHA CLIATH (DUBLIN),……………………………………19……

E. F. Bullock coll.

Andrena fuscipes ♀ }
Andrena marginata ♀ }

Near L. Guitane Killarney, N.K.
~~Sept~~. 1934.
? Aug.

And also 2 ♂♂ of latter's parasite Nomada argentata in his old garden near R. Flesk, Killarney, later in August 1934.

A.W.S.

14. 7. 34 cont. Afternoon. 2-30 – 7.0 PM.
Had two spells in marsh & edge of woods behind the dunes & east of Derrynane hotel. Some sun but chilly wind.

Bombus agrorum & B. lapidarius 1♀, & several ♀♀, most of the latter at flowers of Sea Holly.
Psithyrus rupestris 1♀ seen in wood.
Halictus [illegible] & [illegible] ♂♂, very fresh.
Hylaeus confusus? 1♀ by wall on edge of dunes.
Vespa rufa ♀ seen.
Pompilus plumbeus ♂♂ & ♀♀ seen, but few, on dunes.
Myrmica laevinodis, ☿ examined. Formica fusca seen.
Lasius niger common.
Tenthredella [illegible] 1 typical ♂, 1 black [illegible] ♀.
Tenthredo [illegible] 1 [illegible] ♀. Dolerus palustris 1♀
[illegible] 1♀. [illegible] 1♀
Cryptus 2 ♂♂.
[illegible] 1 [illegible], [illegible] ♂, with pale yellow [illegible]
Glypta elongata? 1♀. Zootrephes? [illegible] 1♂.
Meteorus 1♂, 3♀♀.
Angitia sp. ? ♂ ♀. [illegible] 1♂. [illegible] ♂
Hygroplitis russatus 2♀♀ in "minty" places in marsh.
Apanteles 1♂ 3♀♀, on [illegible] sand.

14. 7. 34, afternoon cont.
Marsh & dunes, Derrynane, Co. Kerry.
Dacnusa [illegible] 1♀ swept in marsh. ([illegible])
D. [illegible] ?? 2♂♂, [illegible] (= [illegible])
Perilitus [illegible] 1♂ Aphidius 1♂
Bracon fulvipes 1♂, 2♀♀. B. [illegible] 1♂, 1♀
B. [illegible] 1♀.

15th July 1934. A wet morning after a wet night, but clearing about mid-day, though dull & no sun all day. Strong W. wind.
Did not go out in morning but in afternoon walked west to The Harbour, then up hill to [illegible] road & back to Derrynane by road.
Lasius flavus nest seen above harbour & winged ♀♀ dug out. Males not found.
Mesoleius ? ([illegible]) ♂ taken on roadside on way down to Derrynane.
Microgaster or Microplitis with [illegible].

16th July 1934. A windy day, SW & S, warm, dull in morning, but considerable sun in afternoon.

12 noon till 1-30. Roadside behind Derrynane Hotel & along woods: no sun.

Bombus agrorum & hortorum common

B. lapidarius a ♀ seen

Vespa rufa & sylvestris seen

Mellinus arvensis ♂ seen

Crabro chrysostomus ♂♂ & ♀♀ common at Chervil, ♂ — 15 [illegible]!

Halictus fulvicornis, albipes & calceatus ♂♂ & ♀♀, seen

Abia candens ? ♀ on rock by road near hotel.

Strombocerus delicatulus seen on bracken

Athalia very common.

Emphytus carpini, 1 ♂ on "Devil's Bit" at O'Connell's gate. fide R.C.L.P. 13.2.1935!

[illegible] ? 1 ♀.

Cryptus [illegible] 1 ♂. Hoplocryptus & alternator, 1 ♂.

Pimpla 3 spp. (♀♀) all on alder in field.

= flavipennis ? 1 ♀, "depositor test" (= my old "inquisitor"!) 1 ♀, & sp.? ♂ non det.

Mutilated with orange head, 1 ♂ = [illegible]

Homocidus pectoratorius ♂ & H. nigritarsus ? ♂, roadside at Hotel.

16.7.34 AM cont. Derrynane, roadside etc. SK.

4 Campoplegini 2 ♂♂ 2 ♀♀

Ophionidae 1 ♀. Proct. 1 ♂.

16.7.34 cont. 2.0 till 4.0 PM.

Worked sands & dunes between hotel & Abbey Island. SK.

Bombus lapidarius ♀♀ common on Ragwort & [illegible]

Andrena nitidula ♀ on flower (? Stat)

A. sericea a dead ♀ found in sand hollow

Halictus albipes, fulvicornis & calceatus ♂♂ & ♀♀ frequent on Ragwort.

Oxybelus uniglumis, a few ♂♂, ♀ taken

Pompilus plumbeus ♂♂ & ♀♀ on surface of dunes

Cryptus ♀ taken, [illegible] mimicking Pompilus

16.7.34 cont. 4 30 till 6.30

Abbey Island, Derrynane SK.

Chrysis ignita ♀ on rock, near where Agenia taken on 13th July.

[illegible] 1 ♀. Bracon [illegible] 1 ♀ & ? [illegible]

Ophionidae 1 ♀.

Dolerus [illegible]

17th July 1934. A fine day with northerly breeze. Drove via Loreen & Kenmare to the Sheen River. There collected from 1.30 till 3.0 PM, then on to my nice moraine ground at Dallian Dromanassig Bridge, but only stayed a few minutes & saw nothing. [Bullock was probably correct when he opined that it was here that Cuthbert took his "Andrena labialis" in July 1898, but it would take several fine days to explore the place.] Next drove on through "tunnel" & down Glengarriff road until a good view of Bantry Bay was attained & after climbing to a "view rock", drove back to Sheen River where stopped for tea & collected a few more insects. Then drove back to Garrynane.

Left bank of Sheen River, same spot as on .7.33 with Fair & Bullock, Co. SK.

Bombus agrorum [& lucorum (1♀) on Cork side of tunnel]
Andrena coitana ♂♂ & ♀♀
A. tarsata ♀♀. A. minutula 1♂ ([illegible] host?)
Halictus calceatus, rubicundus, freygessneri,
tumulorum & albipes ♂♂, also ♀♀.
Nomada rufipes 2 small ♀♀ (at A. tarsata burrows ?)
✓ seen by R.C.L.P. See letter dated 13.2.1935!

17th July 1934 cont. Sheen River, SK cont.

Crabro varius very abundant, nesting in sandy path.
C. chrysostomus seen
C. nigrita ✓ R.C.L.P. See letter dated 13.2.1935! 1♂ on alder in swampy field, beside road, (2 seen)
Mellinus arvensis ♂♂ common on alder
Crossocerus ovalis ♀ on alder.
Pompilus ♀ seen on bank, no doubt P. nigerrimus.
Vespa norvegica ☿☿ seen in "fir wood" & river.

Lasius fuliginosus ☿☿ on same tree as in 1933, but few
L. niger ☿☿ on same tree as last.

Protichneumon laminatorius ♂ seen on alder on river bank.
♂ near Phaeogenes or Dicaelotus?
Hemiteles ? small ♂.
Bassus tricinctus 1♀.
Diplazon taken on alder.

Omorga ? [illegible] 1♀. [illegible] [illegible] ? 1♀
Orange red with long feelers.

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17. 7. 34 cont. Evening. 8.30 – 9.0 P.M.

Swept in marsh behind dunes, Derrynane, S.K.

[illegible] [illegible] and ♂. [illegible] [illegible] 1♂

[illegible]

[illegible] pulchella 1♂ Tryphon [illegible]

[illegible] [illegible] 1♀

[illegible]

Gyrocampa affinis? large ♂, same as [illegible] form?

18th July 1934. A fine day, after a wet night, with showers in late afternoon. Wind round to N.W.

Spent 11.30 till 1.30 at logs & stumps of Silver Fir, by road, at foot of Lord Adare's wood & the afternoon (2.0 till 4.0 & 5.0 till 7.0 P.M.) in upper part of same wood along road. Little net caught, Rhyssa & ground vegetation never dry.

Bombus lapidarius 1♂ taken. B. agrorum –

B. lucorum 1♀ seen, sunning, very faded.

B. hortorum

Psithyrus barbutellus 1 fresh ♂. P. [illegible] seen.

Megachile centuncularis? ✓ 1 seen by road near [illegible].

Halictus [illegible] ♂ by road

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18th July 1934 cont. Lord Adare's woods, Derrynane, S.K.

Halictus calceatus 5♂♂ [illegible] on road [illegible].

Crabro cetratus, in bored timber, ♀♀.

C. chrysostomus seen. C. dimidiatus ♂♂ & ♀♀ in A.M.

C. sp. (probably vagus! AWS.) very large ♀ seen at bored log.

[illegible]

Rhyssa [illegible] 1♀ – P.M. Euphorus [illegible] 2♂ – P.M. E. [illegible] 1♀ – P.M.

Opius 1♀ – P.M. [illegible] [illegible] 1♂ – P.M.

Ephedrus [illegible] 1♂ – P.M.

Strongylogaster delicatulus 1♂ – P.M.

Sirex gigas 1 freshly emerged & large ♂ near logs. A.M.

Rhyssa persuasoria ♂♂ & ♀♀, large & semi brightly coloured, common at logs & stumps of Silver Fir behind both lodges.

Ichneumon extensorius? 1♂ – A.M. I. – ditto? smaller 1♂ – P.M.

Amblyteles palliatorius? 1♂ – P.M. [illegible] 1♂ – P.M.

Red Cryptid ♀ 1 long tail – A.M. [illegible] [illegible] ♀ at log – A.M.

[illegible] ♂ & ♀ [illegible] – P.M. [illegible] [illegible] 1♀ – P.M.

[illegible] 2 ♂♂ [illegible] – P.M. [illegible] 1♂ – P.M.

[illegible] pulchellus 1♀ – A.M. [illegible] 1♂ – P.M.

Aphanistes ruficornis 1 – A.M.
1 – P.M. [illegible] 1♂ – A.M.

[illegible] 1♂ – P.M.

19th July 1934. A poor day! Heavy mist & rain at breakfast, then fine but little sun till midday, then showers with wind backing from W. to S. & heavy rain set in at 5 PM, followed by a real south-easter & heavy rain all night.

Drove to Waterville & worked dunes beyond the golf links 12.30 till 1.30, then drove along south shore of Lough Currane, 2.30 till 4.0 PM, but very few insects out & these chiefly common.

Sandhills at Waterville, Co. SK. 12-30 to 1-30 PM.
Bombus: no specimen seen in dunes only.
Colletes montanus 3 worn ♀♂ at thistle, C. arenaria.
Mellinus arvensis, abundant in two spots, amongst thistle (1 very yellow ♀ taken)
Oxybelus uniglumis 2 ♂♂ at thistle, ragwort.
Pompilus plumbeus ♀♀ common along sandy dune
P. gibbus 1♂ near sea-edge of dune.
Ceropales maculata 1♀.
Coelioxys vidua? 1♂ at thistle.

19.7.34 contd. Afternoon, 2-30 – 4.0 PM.
Roadside halfway along S. shore of L. Currane. Waterville, Co. SK.
Bombus agrorum, lucorum & hortorum, mostly ♀♀.
Vespa rufa ♀♀ seen, also a few ♀♀.
Andrena coitana 1♀ seen.
Crabro styrius 1♀ on hazel
C. varius ♂ & ♀ taken. C. tibialis ♀♀ on rush.
C. clavipes 2♂ & ♀ on rush.

Halictus rufipes 1 fresh ♀ on hazel. ♂? [illegible] 1♂.
[illegible] ? 1♂.
[illegible] ? 1♂.
Glypta [illegible] ? 1♂
Tachinidae ,
Cynipidae 1♂
[illegible] 1♂

20th July 1934. Very damp & warm, after a tempestuous wet night & S.E. gale; showers of misty rain at intervals all day, but insects out as soon as the slightest opportunity. Spent day mostly up road through wood — Lord Ardilaun's wood!, but also collected a few by ruins of the Abbey on Abbey Island in afternoon.

Roadside, up hill, N. of Derrynane, Co. SK.
12.0 till 1.30 PM. & 2.30 till 4.0 PM.

Bombus agrorum & hortorum, mostly ♀♀.
Andrena [illegible], 1 [illegible] ♀ of 2nd brood.
Halictus rubicundus ♂ seen.
Crabro vagus 2 ♀♀ on chervil. C. chrysostomus ♂♂, ♀♀ on same.
Vespa rufa ♀♀ seen
Mellinus arvensis ♂♀, flying even in rain.
Tenthredella atra 1 ♀ on bracken near O'Connell's gate.
(with yellowish legs!)
Ichneumon spp. many ♂♂ flying = I. [illegible] 4 ♂♂
I. extensorius 1 ♂. I. suspiciosus or terminatorius? [illegible]
[illegible] [illegible] 1 ♂. [illegible] [illegible]
Aphaenogaster? [illegible] ♂. [illegible] [illegible] 1 ♀.

Alysia tipulae 1 ♂, amongst heather.
[illegible] [illegible] 1 ♂. Fly =

20.7.34. cont.
During morning George & Daisy went along coast path to the Harbour & saw many Geomalacus maculosus on white lichen covering the rock. They also caught a fine ♂ Protichneumon laminatorius by the path.

20.7.34 cont. late afternoon, 4.30 – 5.0 PM.
Thistles &c along W wall of The Abbey graveyard,
Abbey Island, Derrynane, Co. SK.
Halictus calceatus ♀ on Senecio of
Odynerus trimarginatus 1 ♀ seen at wall.
Chrysis ignita 1 seen on rock near wall.
Sten-Ichneumon culpator, large black ♂ amongst thistles & bracken.
also I. terminatorius ♀, ♂
[illegible] small red ♀ on carrot on E. coast.
Banchus ♂ seen amongst thistles (C. arvense) almost certainly B. volutatorius!

Tenthredo "arcuata" ♀♀ frequent.
Tenthredopsis nassata red & black ♀ on carrot on E. coast.
Very late for this species!

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21st July 1934. Very hot & all sunny, but strong N. breeze. Insects more numerous than during previous week.
Spent all day, 11.30 till 1.30 & 2.30 till 5.0 P.M. on E. coast of Abbey Island, & on sands between that & the mainland, Derrynane, Co. S.K.

Bombus lucorum ♀, lapidarius ☿☿ & 2 ♀♀ seen, worn.
Psithyrus barbutellus 1 fresh ♀ in P.M.
Andrena denticulata 1 ♀ on ragwort on sands, in P.M.
A. [illegible] 1 ♀ on mallow by the abbey.
Halictus rubicundus ♂♂ & worn ♀♀ on cliffs.
H. freygessneri ♂♂ & ♀, H. calceatus ♂♂, H. albipes ♂♂ & ♀♀.
H. villosulus 1 worn ♀ on cliffs, others seen.
H. villosulus ♀? ♂, small, fresh
Sphecodes affinis? 1 ♂ on Angelica on cliffs.
Nomada fabriciana 1 fresh very dark ♀ of 2nd brood on sand (in AM. at Derrynane)
Colletes montanus ♂♂ & ♀♀ at mallow at abbey; some worn, some fresh.
Mellinus arvensis ♂♂.
Pompilus gibbus ? ♀♀, one very large on Daucus on E coast.
P. nigerrimus ♂ taken, ♀ seen on cliffs.
Ceropales maculata ♀ seen on sands.
Odynerus pictus ♂♂, ♀♀ with pale bands, on coast
O. trimarginatus ♂♂ & ♀♀ on coast, one at S. end of island at top of deep gully.
Chrysis ignita ♀.

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21.7.34 cont. Abbey Island, Derrynane, S.K. cont.
[illegible]
[illegible]
[illegible]
Acroricnus macrobatus ♂♂ & ♀♀ common on coast.

Tryphon elongator [illegible]
Banchus volutatorius ♂ on coast, ♀♀ at thistle by the abbey.

Melitobia [illegible] 1 ♀.
Apanteles [illegible] ♀, with long [illegible] on Sea Pink head (in seed) on coast.
Trichiosoma? ♀ on boulders at high water mark.
Tenthredo arcuata, ♂♂ & ♀ in up taken, plenty seen.

Empria abdominalis ♀ (fide R.C.L.P. 13.2.1935) taken in P.M. at foot of E. cliff, with Acroricnus, 1♂. A.W.S.

21.7.34. Several insects taken in hotel, Derrynane.
Stenomacrus deletus? 1 ♀. [illegible] 1 ♀
[illegible] ?

21.7.34 George reported seeing a ♂ Clouded Yellow butterfly on coast below hotel about noon.
Humming Bird Hawk Moth & another species (possibly elpenor, but looked larger?) repeatedly seen on cliffs of Abbey Island.

116.

22nd July 1934. A fine day, almost all sunny, but squally, with strong N wind.

Spent morning waiting to get to Deenish, but at 2 PM. boatman decided it was too squally & uncertain to venture out.

Spent afternoon in wood (Lord Adare's) from 2.30 till 4.0 PM (=1) & in marsh behind dunes E of hotel from 4.0 till 7.0 PM. (=2).

Darrynane, Co. SK.

Bombus muscorum 1 ☿ seen on Lotus uliginosus at 2, the first seen since 3rd July, when 1 ☿ also seen near Gap of Dunloe.
B. hortorum ☿☿, lucorum 1♀, 1☿ seen, agrorum ☿☿ & ♀♀.
B. lapidarius ☿☿ & 1 old worn ♀.
Megachile willughbiella 3 ♀♀ seen at 2 on Lotus uliginosus (one of them taken!).
Halictus freygessneri & albipes ♂♂ seen at 2.
Andrena tarsata ♀♀ on Rubus at 2.
Crabro cetratus ♀♀ at 1.

Vespa rufa ☿☿ seen.

In letter from B.M. dated 18.2.35. Nixon says: "In my opinion your specimen is unquestionably Dolops hastifer M. I have carefully compared it with Marshall's type ♀ & 3 ♂♂. I am strongly inclined to think that Marshall's type of aculeator is only a small ♀ of hastifer. In any case it is a good deal smaller than your ♂." G.E.J. Nixon.

117.

22.7.34 cont. Woods & marsh, Darrynane, S.K. cont.

Selandria serva, common in marsh, 1♂ taken.
Ichneumon [illegible]? or [illegible]? 1♂ in wood.
Eurylabus torvus 1♀ at 2. Exephanes occupator? 1 [illegible] at 2.
Stilpnus 1♀ at 2.
Pezomachus [illegible] 1♀ at 1. & [illegible] 1♀.
Hemiteles [illegible] at 1.
Cryptus [illegible] ([illegible]) at 2.
1♀ = [illegible]
Pimpla [illegible]? [illegible] at 2.
Lissonota femorata 1♀ & L. [illegible] 3♀♀ at stump in wood.
Meloboris (Diadegma) [illegible]? 1♂, 1♀ in wood. | Aphanistes [illegible] 2♂♂ at 2. Hemiteles [illegible] 3♀♀ at 2.
Tryphon = [illegible] ([illegible]) 1♂ at 2. Ctenochira [illegible]? 1 at 2.
Mesoleius 1♂ in wood. Mesoleptus [illegible]? 1♂ in wood.
Metopius micratorius 2♂♂, at stems in marsh at 2.
Bracon anthracinus? 2♀♀ of 2 forms?
B. atrator 1♂. B. [illegible]? 1♂, 1♀.
Microgaster
Microplitis [illegible] (♂, ♀ (?)) [illegible] of native poplar tree in wood, at [illegible] abundance.
Dolops aculeator Marsh. ? 1♂, [illegible] = hastifer [illegible]
[Aphaereta cephalotes ♂♂ & 1♀ under seaweed on coast in morning!]
Dacnusa [illegible]? ♂? in marsh at 2, in [illegible] 31.7.34.
Bracon? in woods?
Chalcid ? in woods at [illegible]?

23rd July, 1934. A poor day after a fine morning. No sun after 9 AM & misty rain after lunch & nothing out.

Drove via Sneem, Geardha Bridge & Moll's Gap to Upper Lake, Killarney. Took one Eurodia flavomarginata at stream E of Sneem, the collection at W. end of Loosecaunagh L., SK. where we had lunch & swept a few small things near Derrycunnihy, NK. but otherwise did no collecting. Walked up old road to Kenmare from Galway's Bridge to look for Scully's Carex hibernica & probably located its site about 100 yards below where old road crosses tributary stream (i.e. tributary to Upper Lake), on left bank: here saw Carex aquatilis but only one head of flowers & a little lower down a huge tall sedge, 3 to 4 feet high, with flower spikes suggesting gigantic form of goodenovii or a cross between that & aquatilis. ~~[illegible]~~ There are several clumps on river bank, where it is much below level of bog, but the best is amongst Bog Myrtle a couple of yards from the river.

Later. Praeger agrees that Scully's plant is a hybrid aquatilis × goodenovii! A.W.S.

23.7.34 cont.

W. end of Loosecaunagh Lough, Co. SK. = 1

Woods at Derrycunnihy, Co. NK. = 2.

Small species all taken at 2!

Bombus agrorum ♂, worn, at 1.

Vespa rufa ♀♀ very highly decorated with red at pine at 1.

Halictus albipes, a black ♂ swept at 2

no other aculeates seen!

Alcia candens ♀ on bracken at 1.

Amblyteles equitat.? at 2

Exetastes ? red, small, ♂ at 2.

Black & yellow ♂ Ichneumon at 1.

Plectiscus ♀ with long terebra at 2.

Eurodia flavomarginata ♀ at 1 [& another nr. Sneem]

Mesoleius red & black ♀? at 1

3 ♂♂ Campoplegids with semi emarginate eyes & undotted propodeum, at 1.

Meteorus 2 ♂♂ (? 2 spp.) at 2.

[Apanteles congestus [illegible] Galway's Bridge, from [illegible] 30 ♂♂ ♀♀ [illegible] A.W.S.]

Apanteles [illegible] ♂ at 2

Microgaster ♂ at 2

Procto at 2.

24th July, 1934 Rain all day, previous night & next night. Cleared off arrears of pinning!

Considerable no. of [illegible] seen at 2 o'clock

25th July 1934. A change of wind from W to NW cleared off the rain so drove over to Waterville, & collected Andrena (cliff) & roadside bank ½ mile S. of bridge & just N. of bridge. Very many ♂♂ of Halictus here, as well as ♀♀, both fresh & working. Then drove 2 m up S. shore of Lough Currane, where collected till a change of wind back to W. brought back mist, at about 4.0 PM, which gradually turned to rain & [illegible] [illegible] [illegible] [illegible], though became [illegible] steady.

Roadside ½ mile S of Waterville bridge = 1
Roadside in cutting just N. of bridge = 2 — All to S.K.
Scrub by road & lake shore, S. of Lough Currane = 3

Psithyrus campestris a pale ♀ (? [illegible] [illegible]) ✓
Bombus agrorum & hortorum plentiful, both at 3.
B. lapidarius a few ♀♀ at 1. B. jonellus one ♀ [illegible] at 3 on bramble.
B. lucorum one or two ♀♀ only at 3.
Andrena [illegible] ♀♀ common at 3, on bramble.
Halictus rubicundus ♂♂ at 2. H. calceatus ♂ at 2.
H. albipes? seen. H. villosulus ♂♂, ♀♀ at 2.
H. leucopus ♂ at 3. H. nitidiusculus ♂♂ at 1 & 2.
Hylaeus minutus 2 ♀♀ on Jasione at 2.
H. confusus 1 ♀ at bramble at 3
Colletes montanus 1 ♀ at 2

25.7.34 cont. Waterville & L. Currane cont.
Sphecodes affinis ♂♂ at 1 & 2.
Nomada fabriciana 1♂ at 1, very fresh.
Crabro [illegible] & C. varius frequent at 3, ♂♂ & ♀♀ of both.
Mellinus arvensis ♂♂ seen at 3.
Pompilus [illegible] ♀ at 2.
Crossocerus wesmaeli ♂♂ & ♀♀ on Daucus at 3
Salius exaltatus ♂♂ & ♀♀ on Daucus at 1 & 2; very large ♀ at 2.
Vespa rufa ♀♀, austriaca-coloured, common at 3

Tenthredo arcuata abundant at 3, few taken.
Allantus frequent at 3 (1 ♂ A. [illegible] taken?)
Apis mellifica ♀ seen on bracken at 3.
Trypoxylon [illegible], 1 ♂, taken at 3 on track on 'cliff' above lake after having been seen twice previously at 2 near same place. Wings torn & shredded, yet flying powerfully in strong wind.
Ichneumon [illegible] 1♂ at 3.
♂ [illegible] [illegible] [illegible] at 3. ♂ [illegible] [illegible] [illegible] at 2

[illegible] [illegible] 1 ♀ & about 5 other specimens of same group on Daucus at 2.
[illegible] [illegible] 1♂ at 2.

Hemiteles [illegible] [illegible] 1♀ at 2. Pezomachus [illegible] 1♀ at 3.

25.7.34 cont. Waterville & L. Currane, cont. Co. SK.

Limnophila lobata ♀ × 1♂ in cop. at 2. L. [illegible] 1♂ at 2.
[illegible] [illegible] ♂ at 3.

[illegible] capitata 1♀ at 3. [illegible] [illegible] 1♂ at 3. [illegible] 1♂ at 3
[illegible] = [illegible] at 3.
[illegible] ♂ at 3.

Coremia munitata, taken in field, on grass under bracken, on top of "cliff" near lake shore, where a lot of willows were burnt.
cratoniformis a very battered specimen taken flying by road half-way up lake shore.
Bracon [illegible]? 1♀ at 3.
Apanteles 1♀ at 3.

26th July, 1934. Misty rain from W all morning, after a wet night. Everything very damp! Some fine spells in afternoon but "seedy" all night & day & did not collect.
Cleared off [illegible]. Lasius niger winged ♂♂, ♀♀, & ☿☿ taken from nest in hillside above "the harbour", 1 mile W of Derrynane.
Athalia [illegible] 1♀ behind dunes in evening! Blacus [illegible] 1♀ = hotel, on window.

27th July, 1934. After another wet night, a fine morning, till about 1.30 p.m. Then misty rain & [illegible] all afternoon. Spent morning about the hotel or along edge of scrub (O'Connell's), behind the dunes, in marsh, Derrynane, Co. SK. In the afternoon walked by path through "Lord Abbey" to The Harbour shore, & on the way there in mist rain found a [illegible] of [illegible] [illegible] out in the rain, feeding on the lichen covered rocks, also some fine plants of Juniperus nana, as well as several huge patches of very old Cotoneaster, which look to me quite as old and native as the Juniper & the Arbutus, a few of which trees, & [illegible] (now in fruit) are also growing there.

Derrynane, hotel garden, O'Connell's scrub & marsh behind dunes. Co. SK. 11.0 a.m. to 1.30 p.m.
Bombus lapidarius a fresh ♀ at gathering pollen poppies in garden & ☿☿ in marsh.
B. agrorum a fresh ♀ at poppies, also taken with pollen in garden & ☿☿ elsewhere.
B. derhamellus 1 fresh ♂ on edge of dunes just below hotel & outside marsh.

27. 7. 34 cont. Derrynane, Co. SK. cont.

Bombus lucorum ☿☿, & an occasional ♀, abundant at Fuchsia round hotel working in rain from 6.0 AM till 9.0 PM (S. time) at least. 1♂ seen.

Psithyrus barbutellus ♂ seen.

Halictus albipes, fulvicornis & calceatus ♂♂ occasionally swept in marsh, ? from road bank.

Megachile willughbiella ♀ on Lythrum near road at 11 AM.

[Beautiful [illegible] [illegible] in old garden of hotel.]

Crabro leucostoma ♂ on sycamore in old hotel garden.

C. cetratus ♂♂ & ♀♀ in scrub. C. elongatulus ♂.

Vespa sylvestris ☿☿ at Scrophularia nodosa in garden & on roadside.

V. rufa ♀♀ & ☿☿, forming all [illegible] colonies!

Tenthredo arcuata, Athalia sp. & Selandria sp. ?

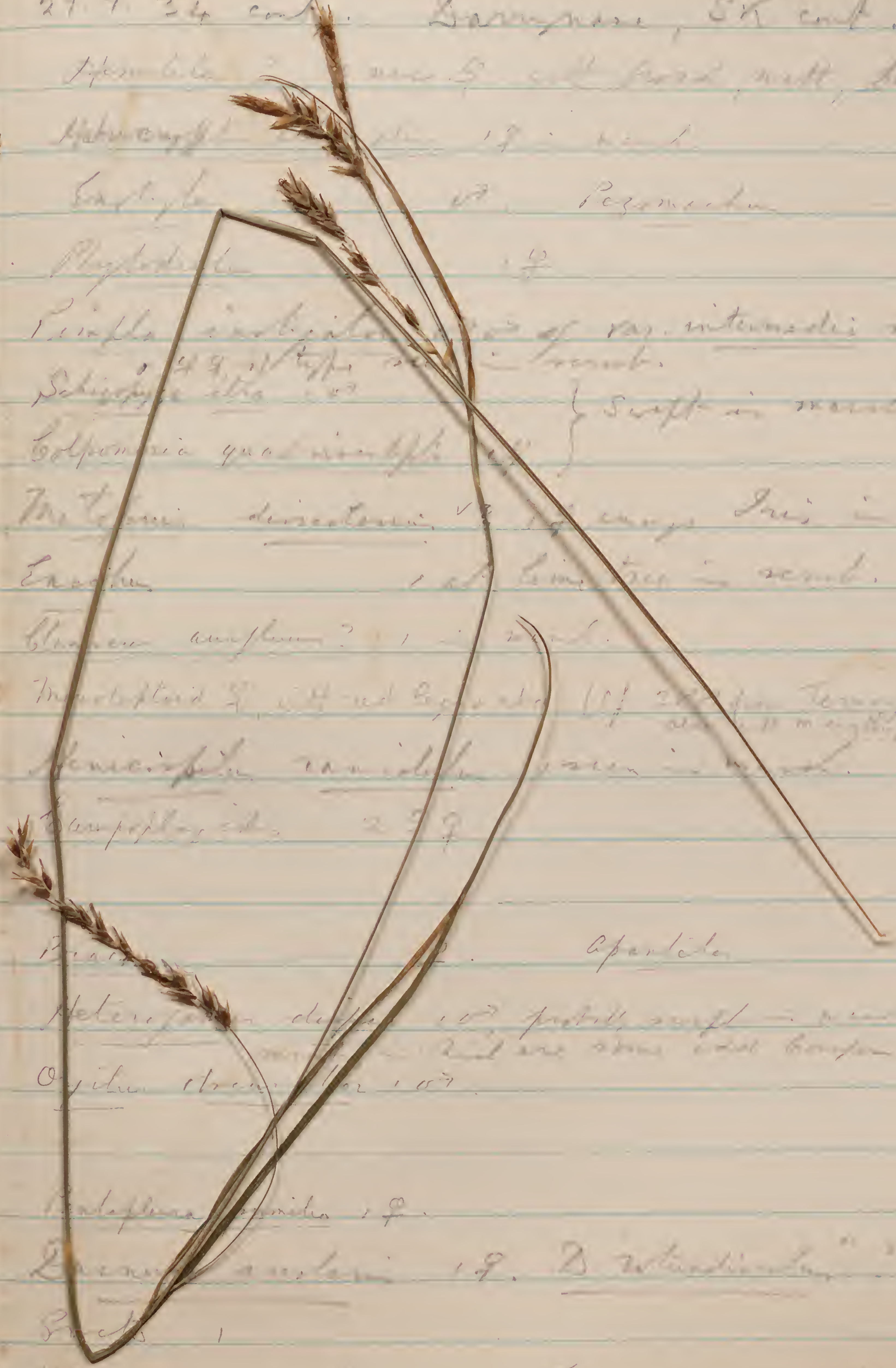
all [illegible] seen.

Ichneumon [illegible] 1♂?

[illegible] ? 1♂

Cryptus 3 and ♂♂

27. 7. 34 cont. Derrynane, SK cont.



Hemiteles [illegible] ♀ with broad, [illegible], head [illegible].

[illegible] 1♀ in marsh.

Cryptus [illegible] ♂. Pezomachus 1♀

Phygadeuon 1♀

Pimpla inquisitor ♂♂ of var. intermedia on Iris in marsh & 4♀ [illegible] in scrub.

Schizopyga atra 1♂ } Swept in marsh outside scrub.

Colpomeria quadrisculpta ♂ }

Metopius dissectorius ♂ 1♀ among Iris in marsh.

Exochus 1 at lime tree in scrub.

[illegible] ? 1 in marsh.

Microleptes ♀ with [illegible] [cf [illegible] [illegible] 209, 222]
[illegible]

Mesochorus vagans [illegible] in marsh.

Campoplex [illegible] 2♀

Bracon [illegible]. Aphidius 1♀

Heterospilus dispar 1♂ probably swept in marsh along edge of [illegible] which are some [illegible] ([illegible]).

Orgilus obscurator 1♂

[illegible] 1♀.

Dacnusa [illegible] 1♀. D. [illegible] 3♀♀ swept in [illegible] [illegible].

[illegible] 1

Flies (?) in marsh.

[Sedge from roadside at [illegible] = [illegible] [illegible] [illegible]]

27.7.34 cont. Darrynane, C. SK. cont.

Bombus lucorum ☿☿, & an occasional ♀, abundant at Fuchsia round hotel working in rain from 6.0 AM till 9.0 PM (S. time) at least. 1♂ seen.

Psithyrus barbutellus ♂ seen

Halictus albipes, freygessneri & calceatus ♂♂ occasionally swept in marsh, ? from wet head.

Megachile willughbiella ♀ on Lythrum near road at 11 AM.

[Beetle Cetonia aurata in old garden of hotel.]

Crabro leucostomus ♂ on sycamore in old hotel garden.

C. cetratus ♂♂ & ♀♀ in marsh. C. elongatulus ♂.

Vespa sylvestris ☿☿ at Scrophularia nodosa in garden & on roadside.

V. rufa ♀♀ & ☿☿, former all anomalous coloured!

Tenthredo "arcuata", Athalia ♀ & Selandria sem.? all my names.

Ichneumon bipustulatus 1♂ ?

Ichneumonid ? 1♂

Cryptids 3 & ♂♂

27.7.34 cont. Darrynane, SK cont.

Hemiteles ? 1 one ♀ [illegible], [illegible]

Habrocryptus [illegible] 1♀ in marsh

Cryptids ♂. Pezomachus 1♀

Phygadeuon 1♀

Pimpla inquisitor ♂♂ of var. intermedia on Senecio in marsh, & ♀♀ of typical seen in marsh.

Schizopyga atra 1♂ } Swept in marsh outside [illegible]

Colpomeria quadrisculpta 1♀ }

Metopius dissectorius ♂ 1♀ on Iris in marsh.

Exochus 1 at lime tree in marsh.

Glypta ambigua ? 1, in marsh.

Mesoleptus ♀, with red legs etc. (cf 3♂♂ from Tramore [illegible] 19.8.33) also 1 ♂ [illegible] from Kilcool.

Henicospilus ramidulus 1 seen in marsh.

Campoplex sp. 2 ♀♀

Bracon 1♀. Apanteles 1♀

Heterogamus dispar 1♂ probably swept in marsh along edge of marsh, or 3rd are now [illegible] (in [illegible]).

Orgilus obscurator 1♂

Pentapleura pumilio 1♀.

Dacnusa areolaris 1♀. D. "rubriventris" ? 3♀♀ swept in the [illegible] marsh.

Procto 1

Ilia (3) in marsh.

[Sedges from roadside at O'Connell's [illegible] which grow [illegible] \ Darrynane]

28th July 1934. A poor day, no sun, after a wet night. Did not go out till after lunch & so almost missed the only fine spell. At 2.30 went round coast path, leading to the Harbour, Derrynane, & collected a few insects by the way; also turned over fine swaths of sea-weed in cove half-way round, but thick driving mist soon turned again to heavy rain from W. with falling barometer, so returned to hotel at 3.30. Co. SK.

Bombus agrorum, lucorum 1♂, & hortorum seen
Vespa rufa ♂♂ & ♀♀, many at Salix.
Crabro vagus, large ♀ seen on carrot flower.
Beetle. Cetonia aurata.
1♂, not caught

Pimpla instigator, large ♂. P. elegans? 1♀ at flower of Erica cinerea.

Salingotoma capitata ♂ & ♀ amongst bracken, &c.
3 [illegible]

Bracon fulvipes 1♀

28.7.34 cont. Coast, W. of Derrynane, Co. SK.
Taken amongst decaying sea-weed, washed up by high tide during the previous day!
[illegible]
Aphaereta cephalotes ♂♂ & ♀♀.
Platygaster ?? one

29th July 1934. Mainly wet, with falling glass. Spent day doing odd jobs before coming home & only collected insects near the Abbey, on Abbey Island, Derrynane, SK.
Braconidae? 1♂

30th July 1934. Opened with torrential rain at 6 a.m. with gale from SE–S. Left Derrynane at 9.20 A.M. reached Killarney at 11.25, spent a few minutes with E. F. Bullock, then drove on to Headly Bridge where had lunch in same quarry as on 28th June, but tempestuous wind & misty rain spoiled collecting, though hot sun at times. Left there about 1.20 & drove on to Newcastle West, where had to stop for broken front spring of car to be repaired. Left Newcastle West at 4.20 & reached Limerick

30.7.34 cont.] without encountering serious rain, but a few miles N. of Limerick met terrific squalls of wind & rain & the same all the way to Nenagh – Roscrea – Mountrath – Maryborough & as far as Newbridge, after which rain slight & none between Naas & Dublin to speak of. Stopped for half an hour for tea near Birdhill – shelter of trees, then drove home without a halt, car running better & reached 14 Clareville Rd at 9-35 P.M.

Collected in quarry, just S of Headley Bridge Co NK. [illegible]

[[illegible] laminatorum: a ♂ crashed into car, stunned, & was captured, about a mile S of the quarry!]
Nomada gemellum? [illegible] ♂
micrandrena: [illegible] ♀
Andrena [illegible] ♀, worn. Halictus [illegible]
Halictus [illegible] 1 ♂, 1 worn ♀ [illegible] 1 ♀
Sphecodes [illegible] 1 ♂.
Crabro [illegible], ♀ [illegible]

END OF KERRY TRIP 1934.

13. On sandhills at Derrynane, Co. Ky the snails Helicella [illegible] (especially) & virgata were common, but I saw no sign of [illegible] either living or dead. Geomalacus maculosus probably common on [illegible] covered rocks [illegible] The Harbour, Derrynane, & one taken at Glencar under bark of an old pine stump just below the lake on 22.6.34: none seen at Glencar after the [illegible] to heat & drought.

5th August 1934. A wretched day, dull & [illegible], gradually to rain from SE – E – then NE.

In morning drove to the North Bull, Dublin, with C. W. Allen, but except for Bumbles nothing out.
Bombus terrestris ♂♂. B. lucorum, a few ♂♂ & ☿☿, 1 fresh ♀ (killed)
B. lapidarius many ♂♂ & ☿☿. B. muscorum a few ♂♂
Psithyrus campestris, pale & dark ♂♂, but no [illegible] seen!!
Ph[illegible], 1 ♂ seen.
Colletes picistigma 1 fresh ♀ on ragwort.

Early [illegible] , 1 ♂.

P.T.O.

6.8.34 cont. North Bull, Co. Dl. cont.

[illegible] 1♂, 3♀♀, [illegible]

Sapyga [illegible] 1♂, 1♀

Meteorus rubens? 1♂, 5♀♀ swept, in one "sweep", amongst Statice, &c, on brackish flat at N. end.

Apanteles of congestus series 2♂♀ at sunset.

[illegible]

7th August 1934. A fine day & sunny evening, the first for some time. Many insects out.

Garden, 14 Clareville Rd, Harold's Cross, Dublin
6.0 till 8.0 PM

Bombus terrestris, lucorum, agrorum ♂♂

B. lapidarius ♂♂ & ♀♀.

Psithyrus barbutellus 1♂. P. campestris ♂♂

Vespa germanica ♀♀

Pemphredon sp. (shuckardi or lethifer) several seen

Crabro leucostomus ♂♂ & ♀♀ seen (? a rotted trunk).

[No sign of Crabro varius since return from Kerry?]

Odynerus parietinus 1♂ seen

Halictus leucopus ♂♂ at thrift flowers (? sp.) [illegible]

[illegible] 1♂, [illegible]

[illegible] 2 [illegible] (3 [illegible])

7.8.34 cont. Garden, Harold's Cross, Dub. cont.

Glypta [illegible] 2♂♂ 2♀♀

[illegible] ♂♂ (? second brood), 1 taken.

Pimpla maculator 1♂, 1♀ P. [illegible] 1♂.

Homocidus pictus 4♂♂ H. pulchellus 1♂. H. [illegible] 1♀

Promethes sulcator 1♀. [illegible] 1♂

Various Campoplegids – Omorga? 2♂♂, 1♀.

[illegible]? ♂ & ♀.

Bracon [illegible] 1♂. B. [illegible] 1♀.

8th August 1934. After a fine morning, the afternoon turned dull & windy on the approach of a new depression with some rain.

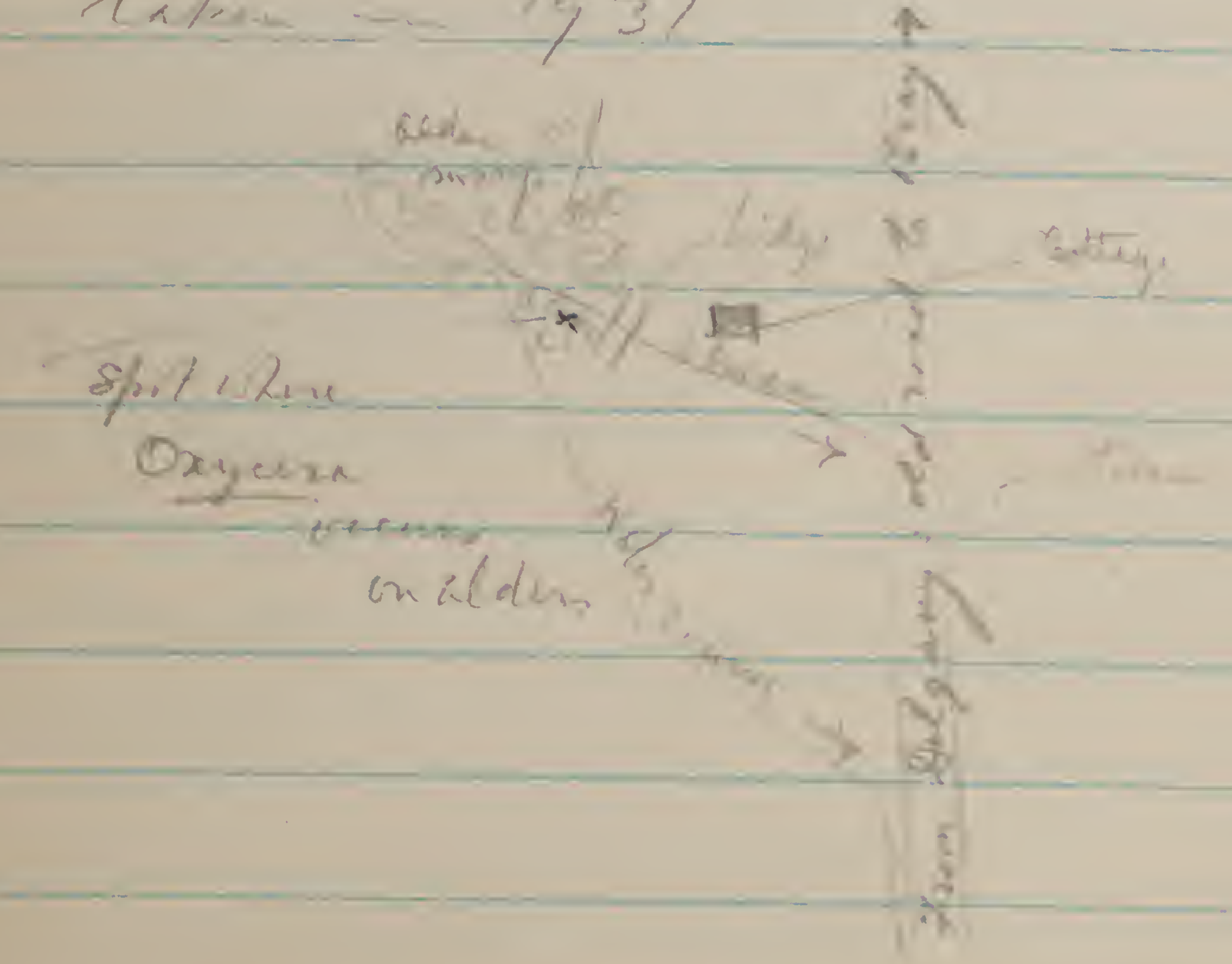
Bellevue estate, Delgany, Co. Wl. 3.30 – 4.30 PM.

Where went to look for more specimens of the Dipteron Oxycera pallens taken here on 23.8.1931.

Only collected about the Alder swamp near the cottage on E boundary of the demesne.

8.8.34 cont. Bellevue, Delgany, Wi. cont.

Oxycera pulchella: one specimen taken just after shower, [illegible] fall on very moist, on same alder as the specimen taken in 1931



Halictus rubicundus ♀♂ & Bombus agrorum faded ☿☿ } the only aculeates seen
Crabro cetratus ♂♂ at log & Pemphredon shuckardi ♀ }
(? 2nd brood).

Cryptus [illegible] (worked): one or two on [illegible] alder [illegible]

Pimpla [illegible] 1♀ (Glypta bipunctoria ♀♀ [illegible])
& Glypta [illegible] 1♂.

Homoeidae [illegible] [illegible] 1♀

Campoplex 1 red & black.

Cryptus [illegible] 1♀

Microgaster [illegible] 1♀.

Bracon [illegible] ♂

Coeloides [illegible] 1♀. Diaeretus [illegible] 1♂, not kept

12th August 1933. A fine day after a wet night & poor weather for several days: considerable sun but also long cloudy spells.

Drove with C.A. Allen, to gravel pit near back gate of Woodbrook House, between Emo & Portarlington, & later in afternoon drove round Emo Park & back through woods & old sandpit NE of Emo Park.

Gravel pit near Woodbrook Ho. 11.30 till 1.30 and 3.0 till 4.30 P.M. } = 1
Bog, woods &c near back gate of Woodbrook 2.0 till 3.0 PM. = 2.
Woods, &c NE corner of Emo demesne 5.0 till 5.30 PM. = 3
Old gravel pit, &c NE of Emo demesne 5.30 till 6.30 PM. = 4

All Queen's Co.

Bombus terrestris ♂♂ seen, B. lucorum a few ☿☿, ♂♂ & 1 fresh ♀ at 2.
B. lapidarius ♂♂ & ☿☿. B. agrorum ♂♂ & ♀♀, very small.
B. muscorum ♂♂ & ☿☿. B. jonellus 1 fresh ♀ at 2, on heather
B. distinguendus ♂♂ at 1 & 4.
Psithyrus distinctus ♂♂ at 3. P. barbutellus ♂♂ frequent.
P. campestris dark & pale ♂♂ frequent. P. quadricolor 1♂ ([illegible])

12.8.24 cont. Ems district, Q. Co. cont

Colletes succinctus nesting at 1, flying on Calluna at 2.
♂♂ on Carduus arvensis at 1, & 1 Caye. fresh ♀ at track.
Also 1 smaller ♀ at Calluna at 2.

Andrena marginata common at 1, a few at 4.
♂♂ on Carduus arvensis, Scabiosa arvensis & succisa,
♀♀ very fresh (only 1 seen gathering pollen) on S. succisa
& occasionally on S. arvensis & once on Centaurea nigra (tall)

Nomada argentata 1♂ (at 4) on S. arvensis & 3 ♀♀
at 1 (2 on S. succisa in field & 1 on S. arvensis in sand pit. All extraordinarily fresh!

Halictus rubicundus, calceatus, albipes, [illegible]
tumulorum, nitidiusculus & leucopus, mostly ♂♂
some fresh ♀♀, at 1

Sphecodes affinis 2 ♂♂, at H. nitidiusculus at 1.

Megachile versicolor 1♂ (Allen) & 1♀ on Lotus
corniculatus at 3.

Mellinus arvensis ♂♂ & ♀♀ abundant at 1 & 2.

Crabro chrysostomus, cavifrons ♂♂ & vagus ♂♂ & ♀♀
at 1 & 2: vagus common on Angelica at 2.

12.8.24 cont. Ems district, Q. Co. cont

Salius exaltatus ♀♀ at 1.

Pompilus nigerrimus ♂ at 1.

Chrysis ignita 1♀ at 1.

Vespa sylvestris, rufa & austriaca ♂♂ & 1♀ of last
at 1 & 2.

Myrmica sp. & Formica fusca seen.

Apis mellifica 1♂ at 4.

Tenthredo "arcuata" & Athalia sp. seen.

Ancistrocerus oviventris 1 seen at 2.

[illegible] ? ♂

[illegible] ? ♂ [illegible] ? ♂

[illegible] large ♂

[illegible] 1♂, 2♀♀ (3 [illegible])

Pompilus [illegible] ♂ & ♀ seen at 4

Glypta "nigrolineata" ♀♀ at 1 & 4. (some very red!) G. mensurator 1♀

" "longicauda" ♂♂ & ♀♀ at 1

Lissonota cylindrator & bellator ♂♂ & ♀♀ at 1 & 2.

L. [illegible]? 1♀ L. basalis 1♂.

Mesoleius ♂ Pimpla [illegible] 1♂.

Exenterus melanopterus? 1♂, 1♀.

136

12/8/34 Emo district, Co. Leix.
[illegible] [illegible] seen.

Bracon [illegible] ♀ at 4. Apanteles [illegible] 1♀.
Macrocentrus marginator ♀ at 4, examined!
Chelonus [illegible] 2 ♀♀ [illegible] at 1.

Proto. [illegible] at 4

Diospilus capito ♀ on 14th
Bracon [illegible] ♀ on 13th
Apanteles [illegible] ♀ on 14th
[illegible] on 13th

137 14th August 1934. Garden, [illegible] Rd, Harold's X, Dub.
5.30 to 8.0 PM.
Pimpla [illegible] 1♂, [illegible] [illegible] ♂♂ & ♀♀ seen.
[illegible] [illegible]? 1♂. [illegible]? ♂ on 13th ♀ on 14th.
[illegible]
Pimpl. [illegible] ♀ on 13th. P. alternans [illegible] ♂ on 13th
P. punctiventris? ♂ & ♀ on 13th, ♀ on 14th. P. [illegible], small ♀ on 14th
Homocidus [illegible] on 13th & 14th. H. [illegible] on 13th & 14th
[illegible]
Cryptus ♂ & ♀ on 13th, ♂ on 14th.
[Prototype [illegible] taken [illegible] [illegible] Rathmines at 5.15 PM. [illegible] home]

137

15th August 1934. Very hot, and bright sun, but just before a depression & [illegible].
Went again to Bellevue, Delgany, Co. Wi. to look for more specimens of the Diptera Oxycera pulchella but none to be seen in three hours collecting.
Bombus sp. — a few [illegible] ♀♀ only.
Vespa sylvestris ♂♂ & ♀♀ on Angelica.
V. austriaca 1♂ on Angelica. V. [illegible] 1♂ on Angelica.
Crabro [illegible] ♀♀ on Angelica. [illegible] [illegible].
Salius [illegible] ♀♀ seen, 1♂ taken.
Odynerus affinis 1♂ on Angelica. Halictus [illegible] ♀ on [illegible].
Nomada [illegible] ♀, 2nd brood, on Angelica.
Hemiteles [illegible] (1), [illegible] [illegible] (1) & Phygadeuon [illegible] (1), ♀♀ on [illegible].
Ichneumon [illegible] ♂ on Angelica. Ich. spp. on Angelica.
[illegible]? ♂ & ♀ on Angelica. Ich. [illegible] 1♂ on Angelica.
Phaeogenid.? 3 ♂♂.
Cryptid 4 = Stylocryptus [illegible]? ♀.
[illegible] [illegible] ♀ on Angelica.
[illegible] 1♀. Lissonota [illegible]? 1♂ & [illegible] ♂♂ & ♀♀ seen.
Pimpla [illegible], small ♂♂ & 1 large ♀.
Homocidus [illegible] 1♂. Exetastes prosopius 1♂ & E. [illegible] — ?var. of "[illegible]"
[illegible]
Chelonus [illegible]
Apanteles [illegible]?, 1♀ [illegible] [illegible]

16th August 1934. Garden, 14 Clareville Rd. Du.
[illegible], [illegible] at [illegible] bud. (evening)

Cryptus [illegible] ♂
Oedemopsis scabricula 1 ♂ ♀
Pimpla examinator 1 ♂, [illegible]. P. brevicornis 1 ♂
Exetastes cinctipes ♀.
Mesoleius 1 ♂.
[illegible] ♀.

17th August 1934. Garden, 14 Clareville Rd Du. (evening).
[illegible] [illegible] ♀ at [illegible] bud.
[illegible] [illegible] ♀. ♂ [illegible] [illegible] [illegible] Cryptus, [illegible]
[illegible] ♂ & ♀ Cryptus.

Homocidus pulcher? 1 ♀.
Pimpla detrita? 1 ♀ (formerly my "inquisitor"?)
Oedemopsis scabricula ♂.
Nemeritis 1 ♀ of N. canescens [illegible] [illegible] [illegible] [illegible] [illegible], at [illegible] bud?)
Angitia ♀
Meteorus ictericus? 2 ♀♀ at [illegible] bud. Bracon triangularis? 1 ♀. at [illegible] bud.
Ophion ♀ = 4 [illegible] [illegible] = 2 [illegible] 1 ♂ ♀

18th August 1934. Garden 14 Clareville Rd., Du.
[illegible] [illegible] ♀ 1 [illegible] bud. (evening).
[illegible] [illegible] ? ♀ 1 [illegible] ?? [illegible] [illegible]

Pimpla brevicornis ♂♀. P. alternans 1 ♂. [illegible] P. punctiventris 1 ♂ [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
Oedemopsis scabricula ♂. Meteorus ♀ (? [illegible])
[illegible] 1 ♀.
Campoplex 2 ♀♀.

Meteorus ♀

Swept on Cool Bog, near Kilbride, Co. [illegible], on 18th Au. 1934, by E. [illegible].
Hemiteles (Catalytus) [illegible] (✓ J. Perkins [illegible], May, 1935) & a beautiful little ♂. [illegible]
2 [illegible] ♂ Cryptus.

Pimpla [illegible] [illegible] [illegible] 1 ♂
Alysia tipulae 1 ♂. Aperileptus [illegible] ♀
[illegible] [illegible] [illegible] 1 ♂. [illegible] [illegible] [illegible] 1 ♀.
[illegible] [illegible]. [illegible] [illegible] 1 [illegible] (1 ♂)

140

26th August 1934. All sunny. E wind.
Garden, 14 Blenheim Rd., D11.
Bombus lapidarius several ♀♀ on Dahlias at 10 AM.
B. lucorum a [illegible] on George [illegible] [illegible].
B. hortorum a beautiful fresh ♀ running briskly at 10.15 am.
B. agrorum ♀♀, [illegible], fly, [illegible] Juniper.
Halictus rubicundus 1 ♀, fresh, sunny day. H. calceatus 1 ♂. H. leucopus [illegible]
Vespa vulgaris ♀♀ & Vespa germanica ♀♀.

Crabro [illegible] ♀ on currant bush.
Rhyssa 1 ♀. Cryptid: 4 ♂♂.
Odynerus [illegible] ♀ at 10 AM., not kept.
Sympetrum striolatum, large ♀, in dining room, released at 9.0 AM,
♂ seen in back garden at 10.30 AM. Also a ♂ at noon.
S. [illegible] ♂ at 3 pm.
Bassus [illegible], Homoeida picta 2 ♀♀. H.
Eristalis (cf. "[illegible]" from Bellamy) 1 ♀? Metasyrphus [illegible] ♀ ([illegible])
[illegible] 2 ♀♀, 2 ♂♂.

Athalia cordata ♂ on currant bush at 10.30 AM, not kept.
+ a ♀ seen later.

Trypetid.

141

29th August 1934. Garden, 14 Blenheim Rd., D11.
Bombus hortorum ♀
Homoeida picta 1 ♂, 1 ♀
H. [illegible] 1 ♂

5th Sept. 1934. do — — do
[illegible] [illegible] 1 ♀ at rest (on currant) [illegible]
Bassus [illegible] ♀.
Homoeida picta 1 ♂
do. 1 ♀

Trypetid.

8th & 9th Sept. 1934 do — do.
Bombus hortorum, a fresh ♀ seen in evening of 8th } [illegible]
B. agrorum fresh ♂♂ seen in morning & aftn. of 9th
Crabro [illegible] 1 ♀ [illegible]
[illegible] on [illegible] wall, on 9th
Rhyssa ♀
Pimpla instigator large, J.F.B. ♀ at [illegible], on Ellis's wall.
Bassus [illegible] ♀ Homoeida [illegible] 2 ♀♀.

Dasypoda [illegible] 1 ♀. Ellis's.
Bug on Juniper. Syrphus

[[illegible] [illegible]]

17th Sept. 1934. A perfect day.

Afternoon. Garden, 14 Claremont Rd, [illegible] [illegible]

Bombus agrorum, ♂ seen (Rare).

Vespa vulgaris & germanica ♀♀

Odynerus pictus ♂ seen (probably a fresh emergence)

Athalia seen.

[illegible] [illegible] 1♀ Stenodynerus [illegible] 1♀?

[illegible] 1♀, [illegible]

[illegible] ♀ [illegible]

Pimpla instigator 1♀ turned out of dining room & another seen repeatedly in garden.

[illegible] [illegible], on white currant.

Homocidus pictus ♀ examined & released

[illegible] [illegible] ♀.

Bracon [illegible] ♂ & ♀

Metopius [illegible] ♀

[illegible] 1♀

11th Sept 1934, evening. Taken in garden, 14 Claremont Rd.

[illegible] [illegible] 1♀.

Homocidus pictus 1♂.

[illegible] 1♂.

For list of species taken on this date at [illegible], Co. Cavan by R.C. Faris, see p. 146 →

30th Sept. 1934. Warm, windy, sun & showers.

Garden, 14 Claremont Rd, [illegible] [illegible].

Bombus agrorum several seen (♂ or ♀?)

Vespa plenty of ♀♀ (vulgaris & germanica).

Pimpla elegans ♀, investigating shoots of black currant. (rather worn & faded)

P. [illegible] ♀ also at white currant

(? same sp. as the "[illegible] [illegible] of S.R.P." taken on 9.9.34. AWS)

Bracon ♀ at rose & black currant, next the Rhamnus

[illegible] [illegible], ♀.

[illegible] 2. Blue Diptera

[Diptera: — taken in house 14 Claremont Rd, on 8.10.34]

2nd Oct 1934. Mild, sunny, windy: about noon.

Garden, 14 Claremont Road, [illegible] Grove, Bristol.

Vespa vulgaris 10♂ taken, very much more tractable than the rest!

Vespa germanica several ♂♂, 2 taken.

[illegible] ♀ swept off white currant bush next rose.
= Apanteles [illegible]? (AWS - 11/3/35).

Note: [illegible] gladiator? 1♂ taken here at [illegible], [illegible] on 7.10.34 by E. O'Mahony.

Ophion ♀ at light on 9.10.34, [illegible], [illegible] E.O'M.

On cleaning electric light bowl in drawing room, 14 Claremont Rd, during October I found many dead insects, incl. [illegible] & [illegible] [illegible] [illegible] Thalictale. AWS.

[Hymenoptera caught on Aran Islands by [illegible]
& collected by him in 1934

[illegible] ♀	[illegible] 1♀
Pompilus [illegible] ♂	[illegible] 1♀
[illegible] ♂♀	
[illegible] ♂ yellow	

Also [illegible]]

In July 1934 C. W. Allen again visited the Aran Islands, Galway, in order to prove whether Bombus smithianus allenellus occurred on all the islands or only on Inishmore; unfortunately the long spell of dry, hot weather broke on the day of his arrival in Galway, 12th July, & very bad weather followed. He first went to Inisheer, where he spent several days, nearly entirely wet, & took the following insects:—

Inisheer, Aran Islands, C. W. Allen, 12th–16th July 1934

Bombus allenellus, several old ♀♀ & numerous ☿☿. B. agrorum. B. lapidarius ☿☿. Psithyrus rupestris old ♀♀ with very worn wings.

[no B. lucorum & no white-tailed species seen on the island]

Halictus albipes 1♂. Megachile versicolor 1♀. Pompilus nigerrimus 1♀.
Odynerus trimaculatus ♂♂ & ♀♀, nesting in burrows in sand!!!
O. pictus ♀♀ with dark bands on abd. not yellow. Chrysis ignita ♀

[illegible]

Next Allen went on to Inishmore, where he stayed till 27th July, but bad weather prevented him from visiting Inishmaan at all. He stopped on the way to Straw Island & on it found Bombus allenellus. On Inishmore he took:—

Inishmore, Aran Islands, C. W. Allen
17th–27th July 1934

Bombus allenellus a few ♂♂, plenty ☿☿ but no ♀♀.
B. agrorum common.
B. lucorum ♂ & ♀; species rare. B. hortorum ♂, fresh.
B. derhamellus ☿☿ (3). B. lapidarius ☿☿ common.
[No Psithyrus seen on Inishmore!]
Halictus rubicundus ♂ on 26/7. H. albipes ♂♂
Megachile versicolor ♂ & ♀ on 25th & 23rd July, respectively.
Pompilus plumbeus ♂♂, ♀♀ abundant on sands.
P. nigerrimus ♀♀.
Odynerus pictus ♀♀. O. trimaculatus ♂♂ & ♀♀ ; Both sp. with white bands.
Chrysis ignita ♀.
Oxybelus uniglumis 1♂.
Pompilus [illegible] 1♀.
Tenthredo arcuata 1♂, on 26/7.

[30th Sept 1934. Collected at R.F. Farm, Farnham, Co Cavan,
flying over rubbish-heap in garden in evening; there no doubt
there would be many different [illegible].

Leptocera 1♂.

[illegible] [illegible] ? Meoneura 1♂.

Heleomyza ? 4♂♂, 4♀♀, ([illegible] [illegible])

Psilidae 1♀.

Orthocladius ? about 3 sp, several specimens.

Phaenocarpa primarius 1♂.

[illegible] 3 sp. = Syrphidae complex ? 1♀ & [illegible] ? 1♂ 1♀.

Ophion [illegible] ? 1♀ (seems to the sp. but [illegible] [illegible] [illegible] [illegible] found ?)

Blacus 2 sp. = B. humilis ? 1♂ & B. [illegible] ? 1♂.

Gelis ? 1♂

1935.

January opened mild & very wet, but dry weather with E. wind came in about 15th, though still mild & only frost on one night.

14th Jan. Snowdrops in back garden out

17th Jan. Two yellow crocuses out in front-garden, W. side of house.

20th. M.D.S. & George reported Celandine out between the "Narrow Walks" & Rathfarnham.

11th February. Almond tree in [illegible] [illegible] out.

18th Feb. Purple crocus one just in front garden out.

23rd Feb. Catkins on Salix cinerea ♀ in back garden apparently out.

24th Feb. First Blackthorn flowers out.

27th " Anemone apennina out, after [illegible] several weeks.

3rd March. First flowers of Sax. oppositifolia (Sweeden plant) out in front garden, all other plants with coloured buds.

4th March. Brunker reports many willows out in Wicklow but none seen by him on our side of Dublin.

Weather took a turn for the better on 4th March but after two lovely mild sunny days it turned very cold with E. wind which increased to nearly a gale with snow showers at week end (9th + 10th), improving again on 11th, & both 12th & 13th were as all sunny days with frosty night.

5th March 1935. Sax. oppositifolia flowers began to open in front garden but not very open till 12th, when the red Saxifrage also in flower & all plants of Sax. oppositifolia in full flower, except that from Muckanaght, which only opened flower on 12th.

M.D.S. reported Small Tortoiseshell Butterfly in garden on 12th.
[illegible] seen on 13th.

13th March 1935. A perfect spring day, all sunny, after a frosty night, but of course E wind very keen.

Rode to Bohernabreena & Glenasmole, Co. Dub., arriving at 2.30 p.m. Left bike below lower dam & went straight to the [illegible] end of lower reservoir. Here found only a few flowers on several willows, but plenty of Andrena out & saw one Bombus the first I had heard of the year. Also both Peacock & Tortoiseshell Butterflies.

Bees mostly sent to Zimmermann of Berlin

Bombus lucorum 1 ♀, [illegible], in 3rd [illegible].

Andrena apicata ~~[illegible]~~ ♂♂ & plentiful along fence-posts & 1 ♀ [illegible] seen in 3rd [illegible], & also at [illegible] in 3rd combe.

G. clarkella ♂♂ & ♀♀, very fresh & only playing, at [illegible] in 3rd combe

Aphidius 1 ♀ [illegible]

P.T.O.

13.3.35 cont. Glen[illegible], Co. Dn.
Primroses well out in corner E of lower meadow. Some willows out below [illegible] & in [illegible] ditches many, but only odd flowers out in the corner.

R. C. Faris, Cornafean, Co. Cavan, reports seeing on 12th March 1935 Bombus lucorum ♀, B. hortorum ♀ in trumpet of Daffodil, Andrena gwynana ♂, A. clarkella ♀ running on bramble, Tortoiseshell & Peacock Butterflies. And on 13th March A. clarkella ♂♂ & ♀♀ where none seen on 12th. Another A. gwynana ♂ & one Bombus (? lucorum).

17th March 1935. Cold & wild, [illegible] [illegible]. Spent morning [illegible] [illegible] in [illegible] lane for first time this year. While so doing a queen Vespa vulgaris flew on to the window & [illegible] at, so put her out & she flew away strongly.

20th March 1935. A perfect day, almost all sunny & a westerly wind.
Rode in afternoon to Glen[illegible], Co. Dn., & visited the woods south of the lower meadow as on 13th. Little [illegible] in [illegible] [illegible], [illegible] [illegible]. Willows more out, but many behind. The most [illegible] part of the afternoon a ♀ Brimstone Butterfly (G. rhamni) which I saw first a hundred yards away. I scrambled up the ascent to intercept it on its flight south, but in such a place it quite easily evaded me though I twice got within a few feet of it. It appeared to be very large & absolutely fresh.
Also saw Peacock & Tortoiseshell Butterflies.
Bombus lucorum ♀♀ about a dozen seen at willows, etc.
Andrena clarkella ♂♂ abundant, also ♀♀ [illegible],
A. apicata ♂♂ abundant & 3 very fresh ♀♀ [illegible].
A. gwynana ♂♂, & 1 very fresh ♀ seen.

Nomada leucophthalma 2 (1♂, 1♀)
Ich. The usual [illegible] (? [illegible]) in dozens at one big willow just coming into flower.
Tiger Beetle seen. Many birds singing but no cliff [illegible].

All bees but 1 on primroses [illegible] to [illegible] of Berlin.

24th March 1935. A most disappointing day, rain coming on about mid day after a promising morning. Very mild, sunny, & wind moderate between 10.0 & noon. Rode out to Glenasmole, Co. Dub., but by the time I got into the coombs sun was going & very windy (S.W.). Quite a number of bees still out, nevertheless, & clarkella ♀♀ continued working at willows till long after the drizzle had started. No butterflies seen & no chiff-chaff or willow warblers heard & no sandmartins seen by the Dodder at Old Bawn.

Bombus lucorum many ♀♀ seen & 3 taken for Z.
B. terrestris 2 ♀♀, I think, seen, but not quite sure.
B. jonellus 1 ♀ on ♀ Salix.
Andrena apicata ♂♂ at cliff, ♀♀ there & at ♀ Salix — common.
A. clarkella ♂♂ & ♀♀, latter at Salix ♀.

A. gwynana 1 fresh ♀, with pollen in field above lower dam.
Thersilochus — 1 ♂ at Salix.
Pimpla scutellata 2♀♀ } beaten out of conifers (Scotch Pine) near upper
" pomorum 1♀ } end of lower reservoir, E. side.

27th March 1935. A perfect day, but cool east wind. All sunny till 5 P.M. Afternoon.
Rode to Glenasmole, Dub., arriving 2.30 P.M. & spent aft. in coombs on E. side of lower reservoir, as before. Many Peacock & Tortoiseshell Butterflies & many Bumbles (lucorum!) but bees quite scarce compared with previous visits & no ♂♂ of A. clarkella or A. apicata seen at colonies (paling posts along path to coombs not visited!) & no ♀ apicata seen. 1 Chiff-chaff heard at 5.7 P.M.!

Bombus lucorum many ♀♀. B. jonellus 1♀.
B. agrorum 1♀. B. lapidarius 2♀♀.
Andrena clarkella, many ♀♀, at willows & cliffs.
A. gwynana many ♂♂ & ♀♀ at cliffs, playing!
A. nigroaenea a few ♂♂, just out! [illegible]
Halictus rubicundus 1♀, just out!
Nomada leucophthalma ♂♂ & ♀♀ common at colonies.
N. fabriciana 1♂ at top of coomb at head of reservoir.
Thersilochus at Salix, as before: many seen, 1$\overset{♂}{♀}$ taken.
Biolysia marginella Thom. 1♀ swept.
Aspilota [illegible] 1♂ swept.

31st March 1935. A fair day, any little sun after-noon until too late in afternoon, with a strong chilly W.–NW wind, after two quite dull days.

Went with C W Allen to Shankill, Co. Dub., & worked inland along bee-banks (=1) towards Kilmichael, then to railway (=2) at Brides' Glen, there stayed a long time, then to Loughlinstown Common (=3), then back to railway S of Kiltiernan road, S across old lane (=4), & back to Shankill.

Bombus lucorum several ♀♀ seen. B. terrestris 3 or 4 ♀♀ seen
B. agrorum several ♀♀ seen, B. muscorum 2 ♀♀ seen
Andrena minutula 3 very fresh ♀♀ on Taraxacum at 2 (Allen).
A. nigroaenea ♂♂ & a few very fresh ♀♀ at 1.
A. gwynana ♀♀ at 1 & 3. A. albicans ♂ at 2 (Allen)
A. jacobi ?? 1♂ at 1 (Allen).
Halictus calceatus 1♀ at 2 & 1 seen in aft. at 1.

Dacnusa areolaris swept 1♂ at 2.
Monoctonus caricis 1♂ swept (at 4?)
Aphidius 2 spp.? ♂♂ swept at 2 & 4.

[illegible]
chiff chaff heard at 2.

3rd April 1935. A little cold day, NE–NW winds, cloudy grey & no sun after 10 AM till late in afternoon.

Rode to Glenasmole, Co. Dub., arriving at 10 AM & stayed till about 2.30 PM. Got nothing, but, saw a few Bombi.

Bombus lucorum a fair number of ♀♀ some at Salix, but most searching for nesting sites. B. jonellus 2 ♀♀ seen.
Pimpla maculator 1♀ beaten out of ivy, very wet & with pale stigma (not black).
Campoplegidea (? [illegible]) 1♀, beaten with last.
Pezomachus "rufulus" 1♀ beaten out of gorse.

Chiff-chaffs very common. No butterflies seen all day. Explored all the corries on E. side of glen between lower & upper dams. One patch of snow still in gully on N.W. slope of Kippure.

7th April 1935. Heavy showers in morning after a wet night, milder, & much hot sun later; strong W wind [cloudy in morning in aft.].

Rode to Furry Glen, Phoenix Park, Dub., arriving 12.30, left there 1.30.

Bombus terrestris 1♀. B. lucorum 1 dead ♀ under blackthorn.
B. lapidarius 1♀ at flowers of blackthorn. B. muscorum 1♀ at Taraxacum.
Andrena albicans ♂♂ common at blackthorn, but not in full flower.
Bethylus marginellus ♂ swept off [illegible]. Thersilochus? 1♂ swept.
Aspilota 1♂ swept by trees (cf. ♂ of A. Curtulus [illegible]?)
Aphidius 2 ♂♂ swept.

→ 3rd day of Easter Tour 1935!

17th April 1935. A perfect morning after a fine night, but heavy rain till [illegible] S. Dub. area, caused by very cold E. wind springing up about noon: all the sky to north of Dublin, but rain with clearing off late [illegible] to S.W. then fine & sunny, followed by another perfect night.

Rode to Leixlip via Greenhills, Clondalkin & Lucan, & then N. to Royal Canal, spent an hour in old quarry S. of Railway, & 1/4 mile E. of Rye Water (from which the stone to build Broadstone Station, &c was quarried, then back along canal to Clonsilla, [illegible] left about 2.30 pm & home via Castleknock & the Park. Heavy rain & bitterly cold in the Park, heavy rain & warm from Kilmainham home, [illegible] arrived somewhat damp.

Only Hymenoptera seen all day were:—

Andrena nigroaenea ♂ on Taraxacum, 1, road at Greenhills, Co. Dub. at 10.30 a.m. [illegible]

Bombus terrestris 2 ♀♀ seen at quarry near Leixlip, Co. KD.

[illegible] ♀ taken out of dense ivy in quarry, where also saw woodlice Platyarthrus hoffmannseggi (in nests of [illegible]!) & Trichoniscus roseus / [illegible]

[On 14/4/35 (E O'Mahony) took Blennocampa [illegible] ♂ & [illegible] ? at [illegible], Co. Dub.]

Walter Chastan ad Leixlip: Scallop near Clonsilla!!

18th April (Thursday) 1935. A dull day, [illegible] in Dublin & S.W. about [illegible], [illegible] a considerable drizzle at afternoon.

Rode, in afternoon, to Slade of Saggart, Co. Dub., [illegible] & [illegible].

Bombus lucorum several ♀♀ & B. lapidarius 1♀ at Saggart.

Dolerus aeneus 4 ♂♂ taken, 3 from Salix [illegible], 1 from [illegible]

[illegible] 2, small, dark ♀♀ [illegible] from Salix [illegible].

P. [illegible] ♀♀ out of furze. P. [illegible] 2 ♀♀ out of Salix [illegible]

Mevesia arguta Hm { ♀ [illegible] { [illegible] out of Salix [illegible].
[illegible] ?

[illegible] ? 1♀, with long [illegible], [illegible] out of Salix [illegible].

[illegible] 1♂ out of furze.

[illegible] 1♀ out of furze.

Also a few bugs, &c, & some [illegible] (given to [illegible]).

19th April 1935. Good Friday. A showery day & little rain till late afternoon, owing to E & SW winds meeting over hills & [illegible], the [illegible] heavy rain in hills, only one shower at Ballyward in afternoon.

Rode with Palmer to Athdown (Upper Liffey) Co. W. & home via Ballyfolan & Ballydonnell Brook, Ballysmuttan, Ballyward & over Golden Hill. Everything backward

(160)

[19 4 35 cont. Altidore, Ballygannon etc, Co. Wicklow.]
at Altidore, except Blackthorn, just in full bloom & not promising for collecting, for weather [illegible] [illegible] fine day.

Bombus lucorum ♀♀ seen on willows & blackthorn at Altidore, etc. B. jonellus ♀ ([illegible]) at Ballydonnell on willows. B. agrorum 2 ♀♀ at Ballydonnell!

[Andrena clarkella 1 pair ♂ taken off willows at [illegible] [illegible], Co. Dublin in morning].

Blennocampa subcana? 1♂ taken off birch [illegible] of Golden Hill, but escaped off twig, [illegible] & captured flying to land.

Phragmatobia fuliginosa? 23 ♀ taken off heather flowers at Altidore & [illegible] on furze at Ballydonnell & Golden Hill.

Sciara sp. ([illegible]?) taken off furze at Golden Hill [illegible] large [illegible] taken off heather at Altidore.

Pamphilus [illegible] ♀ in furze at Ballydonnell ([illegible])

P. [illegible] 1♀ taken off birch at Golden Hill.

Dacnusa areolaris 1♂ swept in marsh at Ballygannon Bog
with distinct stigmata.

(161)

20th April 1935. A wretched day, after a wet night.
Dull, E & SW winds, drizzling from early morning till 4 pm., then of course fine till dark.

Rode via Clondalkin & Milltown to Grand Canal at Hazelhatch & walked along same past Lyons House & home via Newcastle & Saggart. Everything dripping!

A few insects swept along drain parallel to canal opposite Skeagh House, Co. Dublin about 1 pm.

Dacnusa lateralis? 1 pair ♂. D. areolaris longiradialis mihi 1♂, 1♀.

Coenosia 1♂.

[illegible] [illegible]? 1♀, not sure.

Dolerus aeneus 1♂, taken on my ear & fell off into net.

This ♀ Nixon has made the type of my species; the ♂ he has returned unnamed, but it is either areolaris or another sp. of this complex.
A.W.S. 9. 11. 1936.

[21st April 1935. A poor day, with continuous showers at close intervals. Did not go out at all!]

Easter Sunday!

22nd April 1935. The best day for some time & considerable sun in morning & about midday & early afternoon; but a heavy downpour which lasted half an hour in forenoon spoilt collecting. Took train to Kilkenny, with Allen & Palmer to see Andrena fulva, where I had taken it on 20th April 1925, but none seen during the day & in fact few bees except ♂♂ of And. albicans.

Kilkenny district, all Co. KK.

1 = railway bank from stream & bridge 1/2 mile S.E. of Kilkenny station to junction of Carlow & Thomastown line.

2 = old quarry on west side of railway just N. of said junction

3 = right bank of R. Nore & quarries on same about 1 mile below Kilkenny bridge.

Bombus lapidarius several ♀♀ at 1.

B. terrestris 2 ♀♀ seen at 1 [Palmer].

B. hortorum 1 ♀ on Cowslip at 1 [AWS].

B. derhamellus ♀♀ frequent at 1, also 1 seen in quarry at 3.

22/4/35 cont. Kilkenny district, cont.

B. agrorum a few ♀♀ seen at 1.

B. muscorum 1 ♀ seen [AWS & Allen !].

B. sylvarum 1 beautifully fresh ♀ taken by Allen at 1, about 1/4 mile N of junction.

[NO B. lucorum seen by party all day !]

Andrena albicans, ♂♂ in hundreds & all fresh, except those semi-drowned in Taraxacum by shower; very few ♀♀ seen & these fresh out & not yet working; ♂ & ♀ seen in cop. in dead stick at 1, ♂♂ also at 2 & 3.

A. nigroaenea faded ♂♂ at 1, 2 & 3, several ♀♀, only at 1.

A. jacobi a few fresh ♂♂ at 1, 2 & 3. No ♀ seen !

A. gwynana 1 faded ♂, several very fresh ♀♀ at 1

A. wilkella 1 stylopised ♀, very fresh at 2.

Halictus albipes 1 ♀ at 1. H. freygessneri 2 ♀♀ at 1.

H. nitidiusculus 1 ♀ at 3 (Allen).

Nomada bifida 1 ♂ (Allen). N. marshamella 2 ♂♂ at blackthorn at 1. N. goodeniana ♂♂ & 1 ♀ at 2.

Salix [illegible] ♂♂ abundant at 1, only [illegible] ♀♀ [illegible]

[Dolerus (cf. D. aeneus) one seen flying at 1.]

Pimpla [illegible] ♂ at 1 & several other ichn. all at 1.

Hemiteles ? ♀ 2 ♀♀ 3 [illegible]

Thersilochus? 1 ♂

Angitia? 2 ♀ 1 ♂ [illegible]

P.T.O.

164.

22/4/35 cont. Kilkenny district, cont.
[illegible] ♂ caught at 1.
Euphorus pallidipes 1♂ & [illegible] ; very large, [illegible]
Dacnusa gilvipes 1♀ caught & [illegible] at 2 ; very small.
D. "pallidoligna" 1♂ caught, probably at last.
This is not pallidoligna mihi (= aphanta (Marshall) Nixon) & returned by Nixon 9.11.1936 labelled "sp. ?"
Aphidius 1♂ caught, probably at 1.

Peacock, Tortoiseshell & Speckled Wood butterflies seen at 1; also several ♂ Orange-Tips.

24th April 1935. A dry day, [illegible], with considerable sun in afternoon, but high clouds robbed it of its heat & few insects out : wind slight E or N, at times, cool.
Rode to Glenasmole, Dub., in afternoon & stayed till 6 p.m. Worked [illegible] along E. side of reservoir, as usual.
Bombus lucorum ♀♀ frequent. B. terrestris several ♀♀.
B. muscorum 1 very fresh ♀.
[B. lapidarius & B. agrorum, possibly 1♀ of each seen].
Andrena apicata 1 fresh ♂ at bank, where seen on 13/3/35.
A. clarkella 1♀ seen at Salix.
A. praecox 1♀, covered with pollen, seen at Salix.

165.

24/4/35 cont. Glenasmole, Dub., cont.
A. nigroaenea 1 fresh ♂. A. [illegible] ♂♂ & ♀♀ seen.
[A. minutula? 1 small ♂ seen, ? this species].
Halictus rubicundus, some very fresh ♀♀, playing & running.
H. freygessneri 1♀.
Salius fuscus ♂♂ abundant.
Nomada leucophthalma 4♀♀, very small, all quite fresh.

Dolerus nigratus? 1♀.
Blennocampa [illegible]? 1♀

[illegible] 2 small red ♂♂?
Hemiteles — ♀, beaten off Salix(?).

Triclistus podagricus? 1 caught off blackthorn blossom.
Plectiscus — small ♂.

Euphorus [illegible]? 1♀.
Dacnusa areolaris ♂♂ & ♀♀ caught in damp spots; [illegible]
Aphidius ♂♂ caught, mostly under trees, [illegible].

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28th April 1935. A dull morning, with 'little sea-fog' & not clearing even at Sallins till after 2 pm. [illegible] all morning & very [illegible]. Left Dublin 11.35 am.
Rode to rly bridge, on Naas line, S of Sallins station (was 12-11 noon!) stayed there & worked paths & hedges till about 5pm then worked down towpath of canal & main canal to 1 mile N. of Lyons Ho. (Ponsonby Bridge); left there at 6.40 & was home 8.3 pm. via Blackchurch &

Rly S of Sallins st. (Naas branch line) = 1
Canal (Naas branch) = 2
Canal N. of Sallins, to Ponsonby Bridge = 3. } All Co. KD.
(all at 1 or 2 unless stated!)

Bombus lapidarius several ♀♀. B. terrestris 1♀. B. lucorum a few ♀♀.
B. derhamellus several ♀♀. B. agrorum ♀♀, rare. B. muscorum ♀♀ comm.
B. hortorum 1♀.
Psithyrus distinctus, barbutellus, campestris dark form, 1♀ each.
Andrena albicans ♂♂, a few ♀♀. A. gwynana ♂♂ only.
A. [illegible] 2♀♀ only. A. subopaca ♂♂ only.
Halictus calceatus 1♀. H. albipes 1♀. H. [illegible] many ♀♀.
H. [illegible] ♀ rare.
Sphecodes [illegible] ♀♀ comm. S. hyalinatus? 1♀, S. affinis? 1♀ rare.
Nomada marshamella several ♂♂. N. bifida abundant, ♂♂ & ♀♀.
Salius fuscus abundant, mostly ♂♂, a few ♀♀.

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Sallins cont.! KD. 28/4/35.

Dolerus palustris ♂♂, on Equisetum at 1. D. nigratus ♂♂.
Tom. [illegible] 1 ♂ & ♀ at 3.

[illegible] small red ♂♂ comm.
[illegible] several ♀♀.

[illegible] 3♂♂, 1♀, at 1, [illegible]
[illegible] common, several ♀♀ at 1; 2 [illegible] at 3.
[illegible] [illegible] 4 ♂♂
[illegible]
[illegible] 1♀, [illegible] at 1.

[illegible] ♂♂ abundant at hedges at 1 & 2.
[illegible] at 1 & 3 (none left).
D. [illegible]: 1 at 3, but lost after [illegible].
D. sp. ♂ (cf. [illegible]) with pale stigma, [illegible] from Kildare on 23/4 but also lost! at 1.

[illegible] 2♂♂, many [illegible], at 1
[illegible]
[illegible]
Diptera: Xanthogramma citrofasciata 1 at 1
Heg

29th April 1935 A perfect day! Harold's X, DU.
Andrena gravida first ♂♂ seen in garden in afternoon!
Also small ich. seen on flowering currant, not caught!

1st May 1935. Afternoon. Dull, nearly raining, wind SE–E in Dublin, SW in hills, strong & cold.
No sun.
Rode to Golden Hill, near Blessington, Co. W., arriving about 3.45 & stayed till 6.30. Spent entire time there beating Larch on hill-top, & got:
Nomada marshamella 1♂ beaten
[Vespa ♀♀ several heard; no Bombi seen or heard]
Dolerus liogaster 6 ♀♀ beaten out of Larch.
(3 sent to Saunt!)
" aeneus, numerous ♀♀ beat. D. — 1♂.
Lygaeonematus laricis 2♂♂, 1♀
L. abietinus ? 1♂
Pristiphora erichsoni ? 1 fine ♀ } beaten out of Larch on N. edge of plantation
P. pallipes (? sp.) 1♂ on same tree as last.
Later, I think this is a ♀ melania, as I took another ♀ in same place on 12.5.1936. AWS.
Lissonota [carbonaria ? rather fractured, small with dirt band against [illegible]] 1♀ beaten out of Larch.
Pimpla elegans 1 dead ♀, beaten out of gorse, quite fresh.

1.5.35 cont. Golden Hill, Co. W. cont.
[illegible], not old. 1 beaten out of Larch.
Phaeogenes? 1♂, beaten
Helictes borealis? 1♂ beat.
Orthocentrus? 1♂ beaten [illegible]

Aspilota 3 spp.? (2♂♂, 1♀); all beaten out of Larch

[4th May. 1935. Two Swifts seen at 8 PM. in evening, at Harold's X DU.

5th May 1935. Very hot & sunny all day: no wind!
Andrena gravida ♂♂ & 7 fresh ♀♀ in garden, 14 Clareville Rd. DU. at 9 AM. Also 1♀ A. albicans!
Many Swifts at 9 AM, none seen or heard in evening.

5th May 1935. As stated a perfect day!
Left Dublin 10.30 & rode to Grand Canal at Devonshire Br. about 3 miles below Sallins, arriving about noon. Collected mostly by sweeping in marshy spots along E. bank of canal to plantation beside tow-path 1/2 mile below railway bridge (1 1/2 miles N of Sallins) where stayed & collected till six o'clock P.M. Left Devonshire bridge at 6.40 & arrived home at 8.10. Co. KD.
[Whitethroats heard in several places, many Cuckoos & I think one Corncrake]

5.5.1935 cont. N. of Sellin[illegible], Co. KD, cont.
1 = Canal bank & marsh S. of [illegible] bridge.
2 = Plantation belt beside Canal, ½ mile below rly. bridge.

Aculeata not specially looked for & only addition to those seen on 28/4/35 was:—
Bombus distinguendus 1♀ twice seen in marsh by canal at S. end of plantation, very fresh.

Dolerus palustris ♂♂ & ♀♀ in marsh
[D. madidus or ferrugatus? 1♀ seen in marsh with red on mesonotum.]
D. gonager 1♂ in marsh
D. oblongus 1♂, 1♀ · latter at 2, taken on tree trunk.
D. haematodes 1♀   D. aeneus ♂♂ & ♀♀.
D. nigratus 1♀
Empria spp 2♀♀, 1♀

[illegible] [illegible] ?? 2♂♂, 1♀

[illegible]   1♀ in marsh

[illegible]   ♀♀, red.
[illegible] [illegible] ♀♀   4♂♂ caked: one very black legs, [illegible]

5.5.1935 cont. N. of Sellin[illegible], Co. KD. cont.
[illegible]? large black [illegible].
Pimpla [illegible]? 3♂♂ at 2. ♂ [illegible] 1♂ at 1 (caught).

[illegible]?   2 ♂♂

[illegible]? 2♂♂, 2 ♀♀
Campoplegidae 9♂♂, [illegible] ♀♀

[illegible] [illegible] "— subsequently referred to D. [illegible] Marshall by Nixon
[illegible] 4♂♂, 4♀♀ [illegible] (caught [illegible]!)
D. [illegible]? 1♂, [illegible]
[illegible] [illegible] [illegible]
Alloxysta [illegible] 1♂ at 2
[illegible] [illegible]? 1♀ [illegible]
Aphidius   1♂

[illegible]
Scelio [illegible] at 1, marsh, ♂.
Trichopria ?   2♀♀

Platygaster ?
"Wingless" Chalcid.

172.

7th May 1935. Very hot & sunny, like the hottest summer days! [Day after Jubilee Day!]
Garden, Hamilton Grove, Dub. 7 PM.
Megachile centuncularis 1♂, v. fresh: very early date!
Andrena jacobi ♂♂ & fresh ♀♀, latter sunning
Nomada marshamella ♂♂ & ♀♀ seen
[illegible] 1♂ on white currant near road.

12th May 1935 The poorest day since 4th!
Very cold & strong E wind, with rain & no sun till 3 PM, after a fine night & early morning; then all sunny, but still very hard. Insects, except Dolerus, very shy!
Woods, &c, along E side of lower reservoir, Glenasmole, Co. Dub.

Wood White Butterfly common

Bombus lucorum, agrorum & muscorum, a few ♀♀ only seen; one lucorum repeatedly visiting gorse flowers!
Andrena clarkella 1 vigorous ♀ seen hunting for a burrow (? because ground was so hard): very late date!
A. albicans 1 fresh ♀ sunning herself.
A. jacobi ♂♂ & fresh ♀♀ seen; frequent.
A. wilkella var., fresh ♂♂ at one spot.
A. subopaca 1♀ seen, presumably this sp.
Halictus freygessneri 1♀ seen

[illegible] taken this day are dated 14/5/35! ANS.

173.

12/5/35 cont. Glenasmole, Dub., cont.
Nomada marshamella abundant.
Salius fuscus ♀♀ seen; & 1 taken with its spider!

Dolerus bimaculatus ♂♂ & ♀♀, quite out.
D. aeneus ♂♂ examined. D. picipes 2♀♀, 1♂.
D. nigratus ♂♂, 1♀.
D. nigratus ✓ large ♂♂ flying round tops of willows.
~~[illegible]~~
Loderus vestigialis ♂♂ frequent.
Athalia lineolata 1♀: 1st for 1935.
Tom. luteicornis several ♀♀.
Pontania sp. } mostly beaten, some caught
Euura ♂♂ & ♀♀ } at Salix!

Amauronematus histrio 1♀ beaten off Salix cinerea.
A. fallax? var. with dark stigma or n. sp. R. B. Benson March 1936.
Ichneumon cf. black molitorius ♀: yes! ANS [illegible]
Cratichneumon 1♂.

Hemiteles sp. 2♀♀, carded.
Cryptid ♂♂.
[illegible] 1 small ♂.

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By some error many of the insects taken in Glenasmole on 12/5/1935 are dated "14.5.35". AWS

12/5/35 cont. Glenasmole, Du. cont.
Pimpla instigator, 1 ♂ seen.
Anomalid ♀ taken at Larch
Campoplegids 3 or 4

Exochus flavomarginatus 1, taken on hazel.

Earinus delusor? ♀ & 1 ♂ ? ochropus, about Salix.
Blacus 1 ♂? [illegible]
Phaenocarpa galatea Hal. 1 ♀ beaten off hazel, birch, willow
Dacnusa areolaris a few ♂♂? ♂♂ & ♀♀ swept: 1 ♀ carded [illegible]
Aphidius ♂♂ swept; none kept.

♂ returned by Nixon on 9/11/36 labelled "near areolaris. ?♂" AWS 9/11/36

Halictus leucopus ♀ seen in garden on evening of 11/5/35 on flowers of Geranium rotundifolium!
Also 1 ich. taken on black currant.

GRAIGNAMANAGH TRIP.

175.

14th May 1935. Left Kingsbridge by 9.30 a.m. train: arriving Bagenalstown at 11.40: rode to Graiguenamanagh, via Borris bridge & then down "the line" (= towing-path, near river) to Graiguenamanagh, where arrived about 5 P.M. All collecting done in Co. Carlow.

An all sunny day, the 11th in succession, with persistent very cold NE-E wind: too dry & windy for small insects & only ♂♂ of Andrena numerous. Tried collecting at various sheltered parts of road, where ♂♂ of Andrena jacobi & A. nigroaenea (great part) numerous, but practically nothing else seen: next tried by river swamp below Borris bridge, where also many ♂ Andrena & here took 1 ♀ Halictus tumulorum on Bellis, but beautiful marsh yielded practically nothing & the same to be said of many places along river towards [illegible]: only in Borris demesne, where Dinin R. joins Barrow were insects at all numerous & here took almost all the ichs. &c collected during day, also 1st Crabro of season (C. vagus?). Bombus lucorum, agrorum, muscorum (1), & derhamellus (1) ♀♀. Andrena albicans, jacobi, nigroaenea ♂♂ & ♀♀. A. jacobi ♂♂,

Halictus tumulorum 1 ♀ on Bellis in field below Borris bridge.
Nomada marshamella & bifida seen.

14/5/35. Bagenalstown – Borris demesne, cont. Co. CW.

Crabro vagus 1♂ on log, at S.W. corner of Borris demesne.
Athalia sp. abundant in Borris demesne. Tomostethus nigritus ♂♂,
Empria 1♀, with [illegible]. Blennocampa? 1♀ with [illegible] tenuicornis teste R.B. Benson 4.2.43

Cratichneumon ♂♂ abundant, probably mostly C. fabricator
(but none taken).

[illegible]

Cryptus sp. red, black legs.
Hemiteles sp. 1♂, 1♀

Pimpla inquisitor ♂♂ common. P. [illegible] ♂ of [illegible]
[illegible]
Homocidus [illegible] 1♂ 1♀
Mesoleptus
Campoplex red & black sp. common: 1 kept. [illegible] 1♀.
Angitia? 1♀.
Helictes 1♂.

Opius [illegible] of larger Hal. Eupelmus [illegible]
Rhogas [illegible] 1♀. "Microplitis?"
Diaeretus [illegible] ♂♂ & ♀♀, [illegible] kept. Aphidius
Chrysis [illegible] 1♀. [illegible]

15th.5.35. Dull & drizzly after 11 AM. getting gradually heavier & settling in finally after 3 PM. Very cold, windy!
Carrigleade wood, left bank of R. Barrow, between 2 & 3 miles below Graiguenamanagh, Co. CW. [N.B. This is R.A. Phillips's station for Trichomanes radicans!].
Mostly collecting with sweeper, some beating before rain, from under leaves of beech, oak, chestnut, &c.
Aphidius [illegible] ♂♂ & ♀♀ abundant under leaves, especially beech
Selandria [illegible] 1♀.

Phygadeuon [illegible]
Cryptus [illegible] red [illegible]

Purple [illegible] 1♀
Pimpla inquisitor ♂ & ♀, in copula, beaten off beech.
another ♀, also beaten, with deformed tarsus [illegible]
[illegible] 3♂♂ (swept); also 1♀.

15.5.35 [illegible] Wood, Co. CW., cont.

15.5.35. Evening. After tea walked up River Barrow road & along through Brandondale Estate, on Co. KK., side of R. Barrow below Graiguenamanagh.
Here took [illegible] Hymenoptera:— Nomada ruficornis ♂,
Megastylus ? ♂; [illegible] ? 1♂ & 1♀;
[illegible] ♀; Rhyssalus indagator 1♂;
Aphidius 1♀, & 1♀ [illegible].

[illegible] ? ♀.
[illegible] ? ♂
[illegible] ? 1♂.
Stenomacrus angustatus Th. ? 1♀.
[illegible] 2♀♀ 3♂♂ & another ♂.
[illegible] ♂ [illegible] 1♂
[illegible] (? [illegible]), [illegible]
[illegible] 1♀. [illegible] 1♀ (1♂?) ([illegible] ?)
[illegible] ♂ [illegible]

Rhyssalus indagator 3♂, 1♀.
Ascogaster rufipes 2♂♂.
Meteorus 2♂♂. {[illegible] ? 1♂ & 1♀ [illegible] 2♂♂
♀ intact. ? 1♀ (or ornatus) & another with [illegible] ? = [illegible]
Phaenocarpa ruficeps 2♂♂, 1♀
Aspilota sp. (?) ♀ G. [illegible] ♂ G. [illegible] ? & 1♀ (1♂) G. [illegible] ? 1♂
Aphidius [illegible] ? 1♀
[illegible] 5 exs.
[illegible]. 2 Chalcids

16th May 1935. Not a bad day, but towards the evening, very strong & cold, [illegible] kept all small insects hidden, [illegible] no bees; no rain!

St. Mullins & Bahana Wood, Co. CW.

A few insects taken in Bahana Wood in late afternoon, but all aculeates, &c. unless otherwise stated taken on slope from road (from Glynn to St. Mullins) to stream (flowing E of Scott's), on Hawthorn, along banks, on [illegible] Bluebells; a few taken from [illegible] where [illegible], about ½ mile above St. Mullins "village".

Bombus agrorum ♀♀ & 1☿ seen; often at Bluebells, [illegible]
B. lucorum ♀♀, 2 or 3 ♀♀ B. lapidarius several ♀♀, at Bluebells.
B. derhamellus several ♀♀ seen, at Vetch & Bluebells.
B. [illegible] 1♀ seen.
Psithyrus [illegible] 1♀ seen.
Andrena carbonaria 1♂, 1♀ on Hawthorn, another ♂ [illegible] out of Gorse; all just out & very fresh.
A. rosae 2♀♀, rather worn, on hawthorn.
A. angustior ♀♀ very fresh, many times seen in Bluebells; [illegible] 1♂ seen & then taken in [illegible] & in Bluebell.
A. jacobi, nigroaenea, [illegible], wilkella, albicans seen.
A. saundersella ♂ & ♀ at St. Mullins
Halictus rubicundus at Bluebells; [illegible], calceatus, albipes, nitidiusculus ♀♀ seen or taken

16.5.35. St Mullins, &c, Co. CW.

Sphecodes divisus ? 1 ♀ taken, others seen

S. affinis ? 1 ♀ seen

Nomada marshamella & bifida seen.

N. ruficornis ♂♂ seen & ♂♂, 1 ♀.

N. flavoguttata present, one taken: one of these was seen to alight on ground & immediately change colour owing to the swarming of Meloe larvae which clambered on to it & it rolled & kicked in frenzy, but once after capture (the larvae had placed on it) & returning home some 71 larvae were transported with it.

Pompilus gibbus & nigerrimus ♂♂ frequent on track.

Aphelopus [illegible] 1 ♂ sweeping at Bahana Wd.

Tenthredella ferruginea 1 black ♀ on oak.

Dolerus niger ? ♂ & ♀, on oak. Nematus [illegible] ♂

Selandria serva ♀ & Strongylogaster 1 ♀ Athalia ♂
Empria ♂ at Bahana (Athalia [illegible] at Bahana)

Hoplocampa pectoralis 1 ♂, 5 ♀♀ & H. crataegi 3 ♀♀ beating Hawthorn

all at St Mullins

Euphorus pallidipes ? 1 ♂ at Bahana

Meteorus [illegible] ? 1 ♂ & 1 ♀, at Bahana Wd.

Plesiognathus [illegible] 1 ♂ at Bahana Wd.

Red ant Cryptus at St Mullins. Hemiteles ♀ at Bahana.
" " " at Bahana

Ichneumon deliratorius ♂. Cratichneumon ? ♂ { both at Bahana

Stenopsis ?? 1 ♂ at Bahana.

Campoplex simulans ? 1 ♀ at St Mullins.

Phytodietus rubiceosus ♂, at Bahana Wd; new to Ireland!

Cont. on p. 183.

22nd May 1935. All sunny, but very cold E. wind which freshened in afternoon.

Left home 2.0 PM & rode to Leixlip, via Lucan & Clondalkin, arrived at aqueduct over Rye Water valley (on Royal Canal) at 2.57. Stayed till 5 PM, then rode down Canal to Lucan Stn & home via Lucan & Chapelizod.

Collected only on left bank of Rye Water, above the aqueduct, Co. KD. Owing to cold wind nothing whatever taken in the wood & all insects brought home came from drain in field at foot of scarp (in shelter of hedge) & on the scarp.

Bombus lucorum 1 ♀. B. muscorum 1 ♀. B. agrorum 1 ♀.

Andrena albicans ? (or fucata ?) 1 ♀ on Colly flowers

A. jacobi & few more ♂♂ & ♀♀ seen

Nomada bifida, marshamella & fabriciana seen.

(Sphecodes [illegible] 3 ♀♀ taken. Sph. divisus 1 ♀.

Nomada ruficornis 1 male ♂.

Rhogogaster [illegible] 1 ♂ seen.

[illegible] ? 1 ♂ taken.

Cryptus ? 1 red ♂

Hemiteles ? ♀♀ (♂ ♀ [illegible]) (cardui)

Cont. on p. 184.

17th May 1935. A [illegible] at night & early morning, & frequent snow showers, with N. gale, all day. Mt Leinster & Wicklow & Dublin mts. all white with snow over 2000 ft. Rode from Graigue[illegible] to Bagenalstown, into teeth of gale & glad to do journey in 3½ hours. Saw one ♂ Andrena [illegible] on hedge near Borris during sun burst after a heavy snow shower. Really a hell of a day!

Home about 5.20 PM.

19th May 1935. Rain at frequent intervals all day: not so cold. Started with Palmer & George for Athdown but turned (at Saggart) for home. Took one ♂ Bracon triangularis in garden on White Currant bush, at 12 noon, during sun burst.

21st May 1935. Garden, 14 Clareville Rd., Harold's X, Dublin. 5.30 — 7.0 PM. 1st fine day since snow!

Crabro varius 3♂♂ & C. leucostomus 1♂ at holes in clothes line post; former still there 8 PM.

Chrysis ignita 1 at post.

Bombus lucorum 1st ♂ seen, 7.30 PM, very fresh, at flowers of black currant.

cont from p. 181

16.5.35. St Mullins, CW, cont.

Tryphon[illegible] with curious ♂, ? genus at St Mullins

Perilissus filicornis? 1 male ♂ at St Mullins.

Acritona [illegible] ? ♂ at Borris

Homocidus ~~[illegible]~~ flavomarginatus ? var. with all black thorax 1 ♀ at Borris.

Phaeogenes [illegible] ♀ at St Mullins

Hemiteles [illegible] ? 1 ♂.

Also beat, Tetrops praeusta L., new to Ireland, beaten (probably off Hawthorn) by [illegible] Borris Wood. See I.N.J. Sept 1935, p.126.

Collected by R. C. Faris, at [illegible], [illegible], Co. Cavan, on 27th May 1935.

Bracon satanas ? 1♂ [illegible] B. of [illegible] 1♂

Amblyteles [illegible] 1♀ [illegible]

[illegible] [illegible] 1♂

Opius [illegible] 3♂♂ [illegible]

Opius [illegible] 1♀, 35-jointed antennae, [illegible]

Cryptus [illegible] ? 1♂

[illegible]

[illegible]

184. Cont. from p. 181.

22/5/35 contd. Rye Water, K.D. cont.

Empis [illegible] on hedge.

[illegible], [illegible], [illegible] in drain.

Bracon [illegible] 1♂. B. [illegible] 1♀ B. [illegible] 3♂

Lophyrus pallidipes 1♂.

Opius [illegible] 20♂. Cf. [illegible]

Meteorus scutellator ♀ [illegible] by drain, at side of [illegible].

[illegible] [illegible] [illegible]

[illegible] [illegible] 1 pair, at light. [illegible] gilvipes 1♂ 1♀, 2 "[illegible]", 1♀ seen & taken at Sallins, 5.5.35.

[illegible] conjungens ♀

[illegible] [illegible]

25th May 1935 Garden, 14 [illegible] Rd, Dub.
7 P.M.

[illegible] [illegible] 1♂, 1♀, [illegible] [illegible] the [illegible]

[illegible] [illegible] 1♂ [illegible] in [illegible] part

[illegible] ditto!

[illegible], probably [illegible], seen [illegible] [illegible]
[illegible]

185.

26th May 1935. An almost perfect day except for strong E. wind, but it was [illegible] on previous days, & wind dropping a little in aft. Quite a lot of insects out, but more than [illegible] [illegible] wind. With "George" & J.A.S. Palmer.

Left & right bank of R. Liffey at [illegible]
Co. Kd.

Right bank in forenoon = 1. Left bank afternoon = 2.

Bombus lapidarius 1♀ on thistle. B. lucorum about ½ doz ♀

B. agrorum a few ♀♀. B. [illegible] frequent, ♀♀, on thistle. ✓

B. distinguendus ♀♀ several reported by Palmer

B. jonellus 1♀ at 2 on Vaccinium flowers.

Andrena jacobi ♂♂ on roadside near [illegible]
& 1♀ seen at 1 but at 5 P.M.

A. nigroaenea 1 faded ♂ (Palmer) 1♀ with pollen at 1.

A. angustior ♂♂, about a doz., at various spots at 1, mostly around field through which path from road to bridge runs, & especially on one stone by sunny path down about 100 yards below bridge near the "oak wood".

A. cineraria ♂♂ abundant, & some ♀♀.

A. fucata several ♂♂ & a few fresh ♀♀.

A. lapponica 1♂ certainly taken, no doubt others seen.

A. wilkella ♂♂ abundant & one or two ♀♀ very fresh

26/5/35 cont. [illegible], C. W. cont.

Andrena subopaca & minutula ♂♂ & ♀♀ at [illegible]

Halictus rufitarsis, calceatus, freygessneri, leucopus ♀♀

Sphecodes affinis, very small ♀.

Nomada [illegible] & [illegible], a few each seen.

N. hillana some very fresh ♂♂

N. flavoguttata ♂♂ & ♀♀ frequent

Gorytes mystaceus? 1 ♂ at 1 above bridge on hazel; an early date, especially at 800–900 feet alt.

Dolerus [illegible] 2 ♂♂ at 2.

Tenthredopsis nassata ♂♂ frequent

Rhogogaster aucupariae & viridis frequent.

Selandria stramineipes? many ♀♀ seen, but not examined

Strongylogaster lineata, 2 ♂♂ taken, many ♀♀ seen.

Dineura virididorsata, 1 ♂ on birch at 2.

[illegible] fallax ? {fide R.B. Benson in litt 19.3.36} ♂ on Salix at 2.

Pontania 2 sp. ♂♂ off Salix = [illegible] & [illegible]

[illegible] sp. ♂ (of [illegible]) at 2.

[illegible] ? 1 ♂

26.5.35 cont. [illegible], C. W. cont.

Aglaostigma aucupariae ♂♂ frequent, but [illegible] 1 ♀.

[illegible] ♂♂ [illegible]

[illegible] ♀

[illegible] 1 ♂ on Salix at 2.

[illegible] 1 ♂ [illegible].

[illegible] 1 ♂ at 2.

[illegible] abundant, 3 [illegible] ♂♂.

[illegible]

[illegible]

27.5.35
Cornhapsum
Co. CV
R. C. Farm
See p. 183
ante

[illegible] ♀ at 1, [illegible] under oak wood

[illegible] ? 2 ♂♂ at 1 & 2.

[illegible] 1 on Salix at 2 } [illegible]

Beetles Hylastes 1 pair; at 2 [illegible] abundant on Salix at 2.

Small Eff. [illegible] Bee Hawk moth [illegible]

29th May 1935 7-8.0 P.M.

Garden, 14 Clareville Rd. Dublin, as usual.

Odynerus pictus 1♂ seen.

[illegible] ("delicatula Hal.") ♀, long [illegible]

[illegible] [illegible] 1♂, 1♀

Homocidus nigritarsus 1♂ H. pictus [illegible] ♀. H. [illegible] 1♀ large & with pale scutellar markings.

Chalcid 1 Cynipid 1

30th May 1935. 3-0 till 5.0 PM.

Slade of Saggart, Co. Dublin. Thunder to west, but no rain; dull, with some short sun bursts, rather windy (E).

Most insects taken in wood on W side of slade, along old road, but a few swept in meadow by mill race below.

Bombus muscorum 1♀ seen, but I do not remember seeing more.

Nomada flavoguttata ♂. Sphecodes [illegible] ♀

Gorytes mystaceus 1♂ seen at bank of mill race.

Tenthredella livida one seen on rose by mill race.

Small black species in wood = Caliroa cothurnata? 1♂.

Tomostethus luteiventris ♀ on grass by old road.

Ichneumon sp ♂♂ (probably I. fabricator) common in wood.

30. 5. 35 cont. Slade of Saggart, Dublin, cont.

Phaeogenes [illegible] ♀♀ = P. planifrons ? 1♀ & P. [illegible] ? 1♀

Cryptus [illegible], [illegible] = [illegible] [illegible] 1♀.

[illegible] tenuicollis ? 1♂ on herb.

Tryphon [illegible] [illegible] [illegible] [illegible] ? 2

Small sp ? genus [illegible] [illegible] 1♀.

Mesoleptus 1♀. [illegible] ? 1♀

Polyblastus 1♂ [illegible] ? 1♀.

Aptesis of black ♂. Euphorus pallidipes 1♂. E. [illegible] 1♀. [illegible] [illegible] ? 2♂♂

Meteorus pulchricornis ? 3♂♂ (not measured) & 1♂ pinned!

Rhogas circumscriptus 1♂. R. rugosus ? 1♀.

Opius sp swept off grass etc in wood = Op. of [illegible] 1♀, small, with [illegible]

Opius of larger ♀, [illegible] long [illegible] ? ; also a smaller [illegible] looking ♂, with pale legs, 1♂.

[illegible] [illegible] 1♂. ? [illegible] in head.

Dacnusa pallidipes ? ♂ ? ♀ in wood by stream. D. [illegible] in wood.

D. lugubris (fide Nixon 25 2 1938!) 1♂. D. [illegible] ? 1♀.

[illegible] [illegible] 1♂ in wood. n. sp Proctos

[illegible] [illegible] 1♂, 1♀

Aphidius spp 2♂♂, 1♀, probably all same species & near A. [illegible] Hal. ? but legs rather [illegible]

190

30 5 35 cont. Slade of Lyppart, Dn. cont.

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31 5 35. 7.0 – 8.0 PM. Thundery, dull, warm

Garden, 14 Claremont Rd., Dn.

Oedemetopus scabricula ♂ & ♀
monticola? ♂
Homotoma fictor? 2 ♀♀.
Asterom. 2 ♀♀.
Prosto .
Bombus agrorum ♀ seen at Geranium pratense.
Crabro varius ♂ at fruit.

191

2nd June 1935. A fine day but very strong SW wind after a break in weather & some rain at night, dull with some showers & sun breaks in forenoon, but all sunny & cooler in afternoon. Left home 9.30 & rode with Palmer to Ashdown, arriving about 11.45. Stayed there till 4.30 & with wind behind rode to Tonbridge in about 1 hour & 7 minutes.

Ashdown, Upper Lippey, E. W., in Copse.
Right bank = 1, left bank = 2.

Bombus muscorum ♀ on Bluebells, B. agrorum & B. lucorum ♀♀ seen
Andrena angustior fresh ♂♂ again, but still no sign of ♀♀.
A. varians ♂♂ & ♀♀, A. wilkella ♂♂ & ♀♀, A. jacobi ♀ (Palmer)
A. lapponica 1♂ at 2, A. subopaca ♀ on Mt. Ash flowers, 2.
Halictus calceatus & rubicundus ♀♀, very few seen
Sphecodes monilicornis 1♀ taken. Sph. affinis ♂ & ♀ seen
Nomada marshamella seen. N. hillana ♂♂
N. flavoguttata ♂♂ & ♀♀

Tenthredella ferruginea & livida, black ♀♀ of latter off at 2.
Rhogogaster viridis 1♂ only seen
Dolerus germanicus ♂♂ frequent, 1♀, at 2, below plantation.
D. aeneus 1♂(?) sent to Saunt & ? kept both very queer &
[illegible]
D. picipes ♀♀ seen

192

2.6.35 cont. Altidore, Co. Wl., cont.

Strongylogaster lineata ♀♀ seen

Athalia cordata seen, 1♂ sent to Saunt.

Selandria stramineipes ♂ several ♀♀ sent to Saunt.

Monophadnus pallescens 1♀. Blennocampa tenuicornis 1♂.

Pontania spp. ♂♂ & ♀♀ at Salix at 2 = P. [illegible]?

Euura 2 spp ♂♂, at Salix at 2 = E. atra? & E. [illegible]?

Arge ustulata 2 ♂♂ (1 sent to Saunt): 1 beaten out of hazel
& one off hawthorn flowers, both at 1.

A. [illegible] 1 beautiful ♀ on hawthorn at 1,

[illegible]? 1♀

Cratichneumon rufifrons ♂ seen

Cryptus 3 red ♂♂ (sent 1)

[illegible]? minor ♀.

[illegible]? 1 sp, [illegible], [illegible], [illegible] ♀

Perithous 2 ♂♂, 1♀

Glypta 1♂

2.6.35. Ancistrocerus [illegible] (+[illegible])
+ 9♀ taken by J.S. Bryan at Glengarriff, Co. W.
2.6.35. Taken by E. O'Mahony at Roundwood, Co. W.:
Empria — [illegible] ♀.
Stenomacrus — Tryphon
[illegible] ♀. Entedon? [illegible] ♂ ♀
Aspilota
3 Proctos.

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2.6.35 cont. Altidore, Co. Wl. cont.

Pimpla turionellae? 1 large ♀ taken, ♂♂ seen

Colpomeria quadrisculpta 1♀.

Exochus flavomarginatus 1 at 2 (not kept)

Bassus [illegible] 1♂

(not the genus?) [illegible]? 1♂, very rare

Catoglyptus fortipes very common, some kept.

Tryphon signator? several, one of [illegible]

Perilissus rufoniger? 1♂

Cryptus? ♀ [illegible]? 1♀.

[illegible]? 1♀ (sent)

Colastes braconius ♀ 1♀ on hazel at 1.

Microgaster? 1 on Salix at 2, [illegible] ~ 26/5.

Euphorus? [illegible]? 1♀. [illegible] [illegible] ♀

[illegible] 1♂.

Meteorus [illegible] 1♀ beaten out of Salix at 2.

[illegible] [illegible], 1 small ♀.

[Too windy for Braconids &c & sweeping yielded nothing.]

Proctos 2

194

5th June 1935. aft. 2.30 - 3.30 P.M.
Very fine, after a dull morning & wet night, till a thunderstorm occurred at 3.30 to put an end to collecting.

Slade of Saggart, Co. Dub. with A.W. Gregson.

Beat White Beam tree (Sorbus porrigens fide R.Ll. Praeger!) which grows on rocky scarp above road on E. side of slade, but no hymenoptera seen except Honey Bees, though many flies. On slope between rocks & above road at this place swept one very large ♀ Dacnusa areolaris & a ♂ Dacnusa of a species near D. laterais ; Mr. Gregson took a ♀ "Microbracon" (=Bracon) with sculptured 2nd segment, abdomen yellow at sides, & very short terebra ; superficially like terebella except for great clear wings & sculptured 2nd segment.
All the rest taken in wood along old road on W side of the slade, mostly by sweeping, some by beating trees.
No aculeates seen except Dryinids!

Anteon? 2 large black ♂♂
Aphelopus melaleucus 2 ♀♀
Tenthredopsis nassata 1 ♀ ♀ beaten out of birch, not old.
Tenthredella mesomela seen. T. sp.? 1♂ (Gregson)
Ametastegia equiseti 1♂ ; Tom. luteiventris ♀ (Gregson)

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5.6.35 cont. — Slade of Saggart, Dub. cont.
Barichneumon? 1♂

Phygadeuon 1♀ [illegible]
Hemiteles? 2 ♂♂ (winged)
Mesoleius 1♀
Promethes 1♀.
Tryphon 1♀
Plectiscus 1♂ winged!

Microbracon sp.? 1♀ (Gregson) see opp. page! M. [illegible] 1♂
Rhogas 2 spp. ♂♂ = R. [illegible]? & R. [illegible]?
Macrocentrus nitidus 1♀
Aspilota 1♀.
Opius several spp. about 7 ex.

Alysia contracta 1♂ (given to Gregson!)
Dacnusa adducta 1♂. D. sp. [illegible] 1♂. D. areolaris 1 large ♀ at first place.
D. sp. lateralis? D. sp. [illegible] taken at first place.
Aspilota ♀ cf. [illegible]? A. ♂ cf. fuscicornis? A. 2♀♀ cf. nervosa? A. sp. [illegible] ♀
Orthostigma? cf. [illegible] ♀?.
Coelinius elegans? 1♀.
Proctos about 4. Aphidius 1♂ 2♀ [illegible]? [illegible]

5/6/35 late evening, after storm, very hot sun.
Garden, 14 Clareville Rd, Dub.
Bombus jonellus 1☿ seen at [illegible] 1st of species in garden 1935.
Crabro leucostoma & various bolt out.
Odynerus pictus ♂.

Leptocryptus ♂♂ playing about Rhamnus catharticus &
? not Cryptus ♂♂.
Perithous 1♂
Oedematopsis scabricula 1♀.
Mesoleius red ♀ at fern.
Homocidus nigritarsus 1♂.
Microgaster or Microplitis ? 1♂

8th June 1935. Left Kingsbridge by 9.30 train & arrived Bagenalstown at 11.40, there delayed by transport having stops: at noon rode to Borris bridge & down R. Barrow (on tow-path) to Graiguenamanagh, collecting at various places, chiefly along river edge of Borris demesne: all Co. Carlow.

Strong west wind in afternoon made collecting difficult, but many insects out, though numerous additional showers made sweeping difficult.

With A.M Gwynn!

Borris demesne & left bank of R. Barrow, Co. C'w.
Bombus agrorum 1♀ only seen all day!
Gorytes mystaceus ♂♂.
Crabro cephalotes 1♂ & C. capitosus 1♂, both taken by Gwynn,
one at path from road to tow-path at Borris bridge, & other at S.W.
corner of demesne, but ? which.
Tenthredella mesomelas, T. livida & T. ferruginea.
Macrophya albipuncta 1♀ swept from under trees near boat house.
Tenthredopsis nassata, black ♂♂, red & black ♀♀.
Empria [illegible]
Oronotus binotatus 1♀
Cryptini Small ♂♂, [illegible], 11.30, 1♀ found
Hemiteles [illegible] [illegible] ♀.

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8/6/35 cont. Borris demesne, etc, Co. CW, cont.

Exetastes albitarsis? 3♂♂ [illegible], 1♂ [illegible]

Cryptus large red ♂, with banded antennae.

Pimpla "[illegible]" [illegible], 1 very fine, all black, ♀.

Tryphon rutilator? 1

Mesoleius 1♂, red banded abd.

Atractodes ? [illegible] 1 [illegible] ♀ all black. Exenterus? 1 red abd.

Tricharimma (pleuropus and/or collaris?) 1 Exochus sp. "B.rd" 1♂.

Campoplegid ♀

Mesochorus black ♀ Do. pale ♀

Bracon sp. (= B. rivalis mihi) large, black, red [illegible] black legs, ♀ with long terebra, 6♂♂, 3♀♀.

B. sp. ♀, short terebra. B. fuscicoxis 1♀

B. sp. ♂

Apanteles sp. 1♂ Ap. emarginatus? 1♀

[illegible] ? 1♀.

Rhogas 1

Perilitus 2♂♂

Euphorus pallidipes 2♂♂

Opius 1

Dacnusa [illegible] 1, D. sp. [illegible] ? 1 small D. sp. [illegible] ♂ all pale legs.

D. sp. [illegible] ♀ D. sp. [illegible], black, 1 D. {longiradialis & ornatus, Cameron.

one of these mixed ♂ & ♀ this chosen by [illegible] as allotype & the species is retained as named 9.11.1936. A.W.S.

D. sp.? 33-jointed antennae

Gyrocampa [illegible] 2♂♂.

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8/6/35 cont. Borris demesne, etc, Co. CW. cont

Aphidius spp.? 4 ♂♂

Proctos. 4 spp

8/6/35. Evening 8.0 till 10.0 PM. Very fine but rather cold after storm.

Brandondale demesne, on right bank of R. Barrow, Graiguenamanagh, Co. KK.

Aphidiopus [illegible] 1♂, 1♀. Ambly[illegible]? 1 very small ♀?

[illegible] [illegible] ? 1♀ ([illegible]) [illegible] [illegible] [illegible] [illegible] 1♀ [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]? .

Homocidus nigricornis? (3 pinned) 1♂ Campoplex 1♀. Diospilus? [illegible] 1♀

Bracon (= dispilonotus) 1♀ Aspilota? [illegible] ? 1♂, [illegible] [illegible].

[illegible] [illegible] ? 1♂ Euphorus [illegible] 1♂.

Dinotrema? [illegible] ♂ ♀ [illegible] [illegible] ? 1♂ Aphidius sp. [illegible]

Cynipid 1

Proct. 1

9th June 1935. Very stormy (SW–SE) but no rain till evening & some sun. Few insects out; sweeping useless & beating almost so. Left bank of R. Barrow at Carriglead & Bahana Wood, & glen of tributary stream behind St Mullins; all Co. CW.

Bombus agrorum & B. hortorum 1 ♀ each seen.

Andrena carbonaria ♂♂ common at one particular Hawthorn (still in flower) in glen behind St Mullins, also 1 ♀; but gale very bad here & impossible to locate nesting site. Still pretty fresh!

A. subopaca 1 ♀ on Pignut, with last.

Halictus rubicundus 1 ♀ taken by Gregson.

Nomada ruficornis ♂♂ & N. marshamella 1 ♂ beaten in wood.

[illegible] [illegible] – [illegible] [illegible] [illegible] 1 ♂.

Tenthredella olivacea large ♀, beaten off oak.

Tenthredopsis nassata, coffee-coloured ♀ beaten off oak.

Chelogynus infectus Hal.? 1♂, 2♀♀, beaten in wood.

Prenanteon [illegible] Kieff. (= rufescens Hal.) 2♀♀, beaten in wood.

Aphelopus melaleucus? 6♀♀. Sp.? 1♂? like Aphelopus but abdomen not compressed laterally & face not white. [illegible]

Allantus [illegible]? 1♀.

Fenusa dohrnii?? 1♀   Fenusella pygmaea ?? 1♀.

Ich. small black ♂, black legs, areolet pentagonal, rough petiolated abd. almost like a Cryptus; areolet not closed, about 5.5 mm long. ? female of [illegible]

Ichneumonidae?, [illegible], ♀, [illegible] [illegible] [illegible] ? = Cratichneumon albilarvatus? MWS 10.11.60.

[illegible] ?? 1♀.

[illegible] [illegible], a very large [illegible] ♀.

[illegible] [illegible] [illegible] [illegible] [illegible] 1♀.

[illegible] [illegible]

Pezomachus 1♀.

[illegible] [illegible]

Stilpnus [illegible] 1♀.

[illegible] 1 [illegible] ♀

Holmgrenia? 1 large ♂.

~~[illegible] [illegible] [illegible] 1♂ & 2 ♀ [illegible] [illegible]~~
~~[illegible] [illegible] [illegible] [illegible] AWS [illegible]~~
(See J. F. Perkins letter dated 5.4.1937. = Asthenara [illegible] MWS 8.10.1961

Adelognathus nigrifrons Holmgr.? 1♂ & 1♀, probably beaten in wood.

9.6.35 cont. Bahana Wood & St Mullins, CW, cont.

[illegible] ♂?.
Apanteles, 1♂, of pallidipes grp, but [illegible]
Microctonus, large ♀, 27-jointed antennae, [illegible]
M. [illegible] ♀, 22-jointed antennae, [illegible] M. [illegible]
Opius ocellatus? 1♀, antennae broken at tips, but 39 joints remaining.

Alysia incongrua? 1 large ♂, with 42 jointed antennae.

Aspilota procerapus 1 fine ♀, with 31-jointed antennae.
Aspilota 1♀ G (Reynolds) ♀.
Dacnusa of "Thalassa I Marsh", 1♀ = D. nydia Nixon, fide Nixon, 25.2.1938 / [illegible]
D. sp. 1♀, smaller than last, [illegible]
[illegible] 2nd cubital cell but [illegible], [illegible].
Bracon. 3 spp.

10th June 1935. After a wet night & fine early morning, a drizzle started at 11 AM & at noon developed into a downpour, without wind, warm; then S.W. wind sprang up & cleared off the rain but made collecting difficult & masses of rain kept vegetation too wet to sweep. Except in morning few insects out, but many collected with sucker from under leaves of beech, elm, laurel &c. during the heaviest rain about noon in Borris demesne (S.W corner) by river, & immediately after it cleared & some hot sun [illegible]; later in aft. a good many insects taken in demesne woods about a mile below Borris bridge & just below bridge leading from boat-house to river under tree path.

Borris demesne, Co. CW.
SW corner, where "Black River" flows into R. Barrow = 1
Woods near boat house further up river = 2.
Bombus agrorum several ♀♀ seen at 2
Psithyrus quadricolor 1♂ taken, another seen at 2.
Nomada marshamella 1♂ at 1
Gorytes mystaceus ♂♂ at 1
Vespa 1♀ seen (like V. vulgaris): only Vespa seen during the [illegible].
Crabro vagus 1♀ on log where ♂ taken on 14th May.

10/6/35, Bovey, Devon, C. C.W. contd.
contd
Pachyprotasis antennata ♂♂ abundant flying in [illegible].
Tenthredella atra? [illegible] ♂, T. mesomela, T. livida.
Hemichroa crocea ♀
Blennocampa affinis? ♀ taken during rain under leaves of [illegible].

Cratichneumon rufifrons 1♂ C.? sp. 1 smaller ♂.
C.? annulator 1♀.
Acroricnus macrobatus 1 very large ♂ by bridge over tributary (Bovey R.)
Pycnocryptus peregrinator ? 1♀
Exolytus ? 1♂
Cryptids 1 black ♀ & 2 red ♂♂
Stilbops limneriaeformis Schm. ? 1♀, black [illegible], legs, pale legs, with pale hind tibiae with black tip.
Pimpla maculator ♀, under leaves in rain.
Tryphon incestus ? 1 ♂ Dyspetes praerogator, 1 ♂.

Perilissus ? 1

Catoglyptus fortipes ♀, under leaves in rain.
Orthocentrus sp. 2 ♂♂, large, [illegible] but [illegible], under leaves during rain.
Exochus sp.? (cf. nigripes Bdg), 1♀?, almost black hind legs.
Homocidus fissorius 1♂ under leaves in rain; also 1♀ taken after rain.
Mesoleius several pinned.

10/6/35 Bovey, Devon, C. CW, contd.
Mesoleiid ?? 1♂, carded, with areolet, yellow face & sternum, &c.
?? [illegible]
Mesochorus sp. 2 ♂♂, under leaves during rain. Myriarthrus lineatus 1♂
Holocremnus ? 1♂. Campoplegidea (cf. [illegible]) 1♂, 1♀.
Paniscus 1♀.
Bracon sp. black, long terebra, as taken here on 8/6/35, 2♀♀ in wood N. of [illegible] during rain.
[illegible] sp.? one very small ♂ (? [illegible] or [illegible]) under leaves in rain.
[illegible] 2♀♀ under leaves in rain.
[illegible] 1♀, in rain.
Spathius rubidus? 1♀ under leaf (? of beech) during rain.
[illegible] 2♂♂, 1♀, and B. [illegible] 1♀, all under leaves in rain.
[illegible] 1♂ under leaves in rain.
Adelura dictynna 1 rather small ♂, swept in wood.
Aspilota sp. 1♀ under leaves in rain.

[illegible] addenda 1♀, under leaves in rain.

Proctos. & under leaves in rain.
[illegible] 2 under leaves in rain.
[Returned to [illegible] by 7.18 train from [illegible] and did not reach [illegible] till 10.45 PM.!!]

12th till 20th June 1935, during which period the weather was very wet & I was laid up with tonsilitis.

Formerly recorded as "Mayfield" AWS

Garden, 14 Clareville Rd., Harold's Cross, Dublin.

Bombus lucorum several ♀♀ on thyme in front garden on 20th.
B. agrorum 1 ♀ seen on several dates from 12th – 20th on Geranium columbinum, G. perenne, G. sanguineum & on Snapdragons.
B. jonellus 1 ♀ seen at Orchis purpurella in tub on 12th the first of this species seen in garden during the year.
Vespa germanica a very large ♀ on 19th & 20th.
V. sp. 1 ♀ seen in front of house on 20th; probably germanica
Odynerus pictus ♂♂ seen on several dates
O. sinuatus 2 ♂♂ in back garden on 20th & 1 ♀ on 12th.
Chrysis ignita small ♂♂ frequently seen: & some spend the nights in clothes' line post-holes.
Crabro varius in great abundance, mainly ♂♂.
C. leucostomus usually a few about.
Pemphredon shuckardi 1 ♀ examined on 20th.

Halictus calceatus 1 ♀ on Columbine on 20th.
H. leucopus ♀♀ regularly on Geranium perenne.

12th – 20th June cont. Garden cont.

Andrena albicans 1 fresh ♀ on flowers of Rhamnus catharticus on 19th & same ♀ on 20th. (Known by a patch of matted hair on mesonotum!).
Nomada marshamella 1 ♀ on Rhamnus on 20th.

♀ Narcissus fly in front garden on 20th i.e. about six weeks after ♂♂ seen in back garden.

12th June 3 [illegible] [illegible] [illegible].

[E. O'Mahony took at Dollymount, Co. Dub., on 16th June [illegible] pictus 1♂ Oncophanes lanceolator 1♀]
[J. S. Flynn, took in grounds of Roche's Hotel, Glengarriff, Co. W. Cork. Pamphilius [illegible] ♀ on 16th June; Lissonota maculata ♀ and Arge metallica on 21st June; the last sent by me to Brit. Museum in Oct. 1935]

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23rd June 1935. Very warm, calm, but little sun.

Garden, 4 Clareville Rd, [illegible], as before.

Bombus lucorum 1♀ at honey dew on Currant bushes: ?terrestris.

B. agrorum ☿☿ at Snapdragons.

Andrena nigroaenea 1 very worn ♂, carrying several larvae of Meloe, seen & examined several times. Very late date!

Halictus sp. (?albipes) 1♀ seen several with pollen go into ground under Mossy Saxifrage clump below iron post at clothes line post.

H. leucopus ♀♀ at Geranium & Campanula.

Megachile versicolor 2♂♂ & 1♀, very fresh taken.

Hylaeus communis 1♂ in hole in post, 1♀ at Campanula.

[No Vespa seen all day!]

Odynerus pictus 1♀ seen, ?also 1♂.

O. sinuatus 1♂ seen.

[Currant clearwing moth: 5 taken; these sit with wings at same angle & look superficially like an Odynerus!]

Chrysis ignita several about post all day: 3♂♂ & 1♀ seen on post at one time the previous afternoon.

Pemphredon shuckardi 1♂.

Spilomena troglodytes 1♀ at post & 1♂ taken the previous evening.

Crabro leucostomus ♂♂ & C. varius ♂♂ & ♀♀ as usual.

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23/6/35/ cont. Garden cont.

Crabro clavipes 1♀, 1st in 1935, at currant bush.

[illegible] [illegible] ? 1♀ caught flying.

♂ [illegible], at 1 or 2, red, white points, at [illegible] [illegible]

[illegible] [illegible] [illegible], with black ♂ at post.

[illegible] [illegible] [illegible] [illegible] [illegible] post.

[illegible] [illegible] at currant & rose bushes, 1♀.

[illegible] [illegible] 2♀♀, [illegible] [illegible] seen all day.

[illegible] ? [illegible] ♂ at Plum.

[illegible] 1♀.

[illegible] 2, at post, [illegible] Spilomena?

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25th June 1925. Garden, [illegible] Harold's Cross, Du.

[illegible] [illegible] 2 ♂♂ [illegible] taken in [illegible] [illegible] with a similar looking [illegible]: all [illegible] in one [illegible].

[illegible] [illegible] 1 [illegible] the first [illegible] seen in garden.

[illegible] [illegible] 1 ♀

[illegible] [illegible] [illegible] 1st taken [illegible] [illegible]

[illegible] [illegible] 1 ♀ of the [illegible]

[illegible] [illegible] [illegible]